

Plasti-Bond Product Submittal Guide

Plasti-Bond REDH₂OT[®]

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Print	View	Installation Guide
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Executive Offices:
1100 US Highway 271 South
Gilmer, Texas 75644
Phone: 903/843-5591
Sales Department Fax: 903/843-2516
Main Office Fax: 903/843-5595

"How To Use This PDF" - Directions:

Use the "Print and View" buttons to the left of the product to print that individual page or view that product.

- Each product page also features a "print this page" and "return to menu" link button for easy pdf navigation.
- Each individual product page has approval stamp area and can be used as a submittal sheet when printed.
- Each product page offers check boxes to specify the size/part number for specifying and submittal.

General Disclaimers

1. All weights and dimensions are approximate and are subject to change without notice.
2. Robroy reserves the right to make engineering changes as needed.
3. Catalog numbers are not intended to represent specific manufacturers.
4. Unless indicated otherwise, all weights and measures are in inch-pound units.

Plasti-Bond **REDH₂O**[®]

Buyer's Guide

Complete Product Information

Installation Information

Value Added Features & Benefits

Technical Information

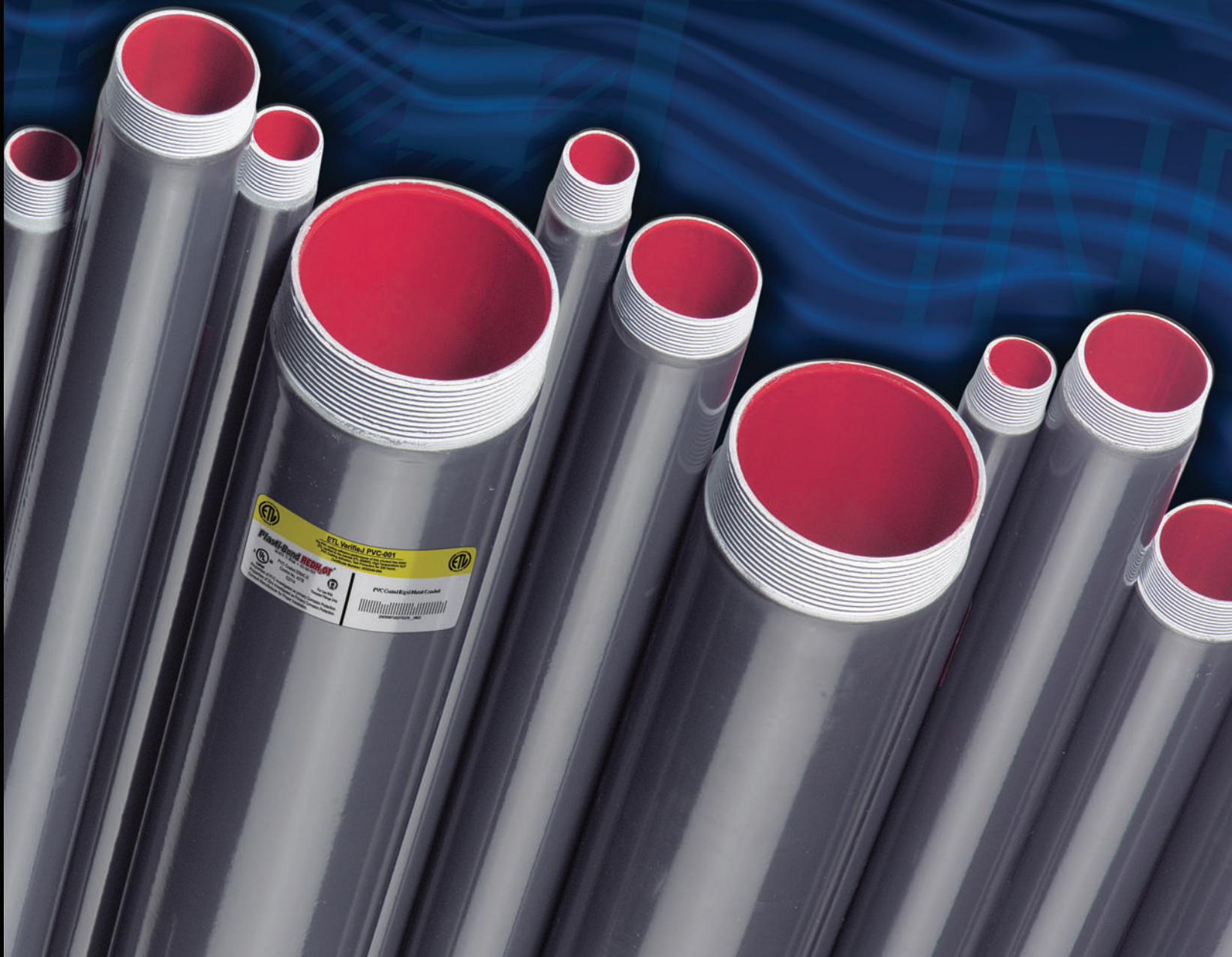


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4. Unless indicated otherwise, all weights and measures are in inch-pound units.
5. Please see current price guide for product availability.

Plasti-Bond REDH₂OT[®]

Executive Offices: 1100 US Highway 271 South, Gilmer, Texas 75644
Phone: 903/843-5591, Sales Department Fax: 903/843-2516, Main Office Fax: 903/843-5595

NOT ALL PVC-COATED GALVANIZED RIGID CONDUIT IS CREATED EQUAL.

**ONLY ETL-LABELED CONDUIT CAN PROVE ITS PERFORMANCE
PLASTI-BOND REDH₂OT... 10 TIMES LONGER PRODUCT LIFE AT NO ADDITIONAL COST.**

NO EQUAL!



ETL – THE MARK OF PROVEN PERFORMANCE!

FACT ONE:

Plasti-Bond PVC-coated galvanized rigid conduit is authorized to carry both the ETL-verified mark of performance and a UL-rated label. Ocal is not.

FACT TWO:

In independent ETL product performance evaluation, Plasti-Bond was consistently maintained successful bonding of protective PVC coating during extended hot water immersion.

In fact...over the course of 200 hours, Plasti-Bond performed ten times more reliably than Ocal.

Ocal's bonding adhesion failed quickly during the identical test. In real life applications failure of PVC to bond with the conduit's metal substrate leads to corrosion destruction and costly product failure.

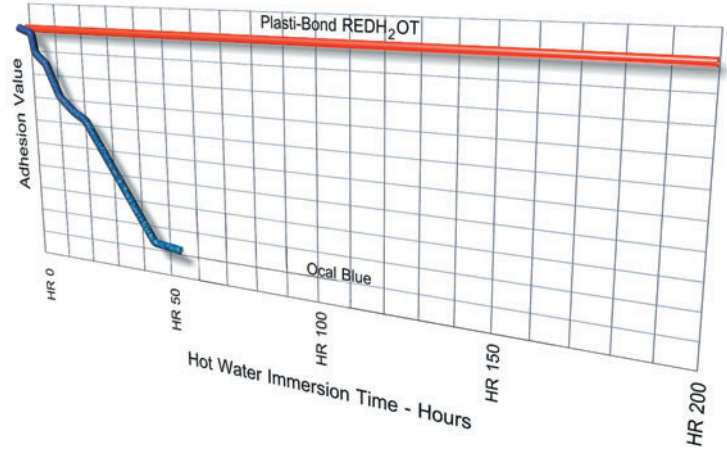
FACT THREE:

ETL-verified heat and humidity tests showed equally dramatic performance superiority of Plasti-Bond when compared in identical testing to Ocal.

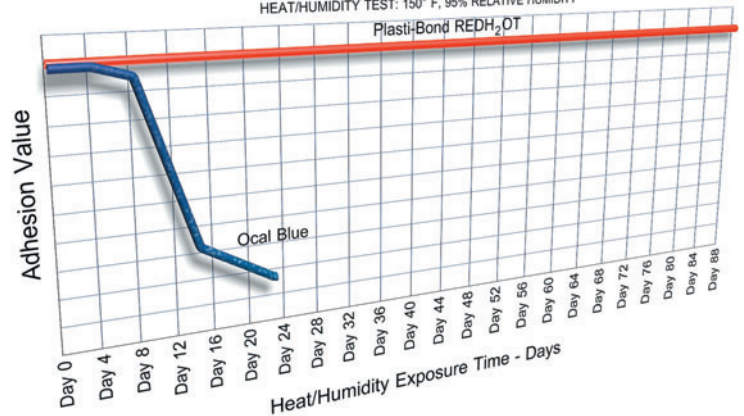
PROVE IT TO YOURSELF.

HERE'S WHY Plasti-Bond HAS BEEN APPROVED TO CARRY ETL PERFORMANCE VERIFICATION – AND OTHER CONDUIT BRANDS HAVE NOT.

PVC External Coating Adhesion
Plasti-Bond REDH₂OT vs. Ocal Blue
Comparison by Hours of Hot Water Immersion



PVC External Coating Adhesion
Plasti-Bond REDH₂OT vs. Ocal Blue
Comparison by Days of Heat/Humidity Exposure
HEAT/HUMIDITY TEST: 150° F, 95% RELATIVE HUMIDITY



ETL Verified PVC-001

The PVC coating adhesion performance of this product has been ETL verified to the Intertek ETL SEMKO, High Temperature H₂O PVC Coating Adhesion, Test Procedure for 200 hours. Certificate Number: 3072346-004

Plasti-Bond REDH₂OT

GILMER, TX 75644 • 903-843-5591

UL us **Listed**

PVC Coated ERM-C-S Control No. 40TB E2314 For Use With Threaded Fittings Only

Properties of PVC investigated as primary Corrosion Protection, Properties of Zinc investigated as Primary Corrosion Protection, Consult Manufacturer for Proper Installation.

PVC Coated Rigid Metal Conduit

10450987182370238_9802

DEMAND THAT YOUR SUPPLIER OF PVC-COATED METAL CONDUIT PROVE IT TO YOU... WITH THE ETL-VERIFIED LABEL OF PERFORMANCE!



Unequaled Bonding

In repeated, independently confirmed ASTM accelerated tests, the exterior and interior coatings of Plasti-Bond REDH₂OT consistently performed successfully where as other products consistently failed.

Plasti-Bond REDH₂OT's bond stays strong after immersion testing. The PVC coating protects conduit from corrosion by remaining reliably adhered to the metal.



When a test tab is pulled with pliers it breaks away cleanly proving that the adhesive bond is actually stronger than the plastic itself. What does this mean for the user?

Maximum Corrosion Protection.

Plasti-Bond REDH₂OT has a stated performance level of 200 hours in boiling water and 30 days in a heat and humidity test with no loss of adhesion.

ETL Verified PVC-001



The PVC coating adhesion performance of this product has been ETL verified to the Intertek ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours.

Certificate Number: 3072346-004

www.plastibond.com

You are just a click away!

After identical immersion testing this is what bonding failure looks like.

When a test tab is pulled on this competing product it strips away completely, exposing metal substrate.

What does that mean? **Failure.**



Our word is our bond, and our bond is your assurance of the best available corrosion protection.

That is a proven REDH₂OT fact

AEP™ ...Ensuring That Plasti-Bond REDH₂OT is Right...Right From The Start!

AEP™... Adhesion Enhancement Process...is a proprietary treatment system developed to provide an unequalled bond between our PVC and the hot-dipped galvanized conduit it protects.

Two Realities About Bonding

- 1.Surface preparation is the key to a good bond.
- 2.The quality of the bond determines the quality of the corrosion protection.



AEP...Plasti-Bond REDH₂OT's Answer To The Challenge Of Bonding

Our AEP process for Plasti-Bond REDH₂OT conduit and fittings prepares and controls the zinc coating so it will receive, and hold, the PVC coating.

This is accomplished with proprietary mechanical and chemical methods, as well a special primer coating that only Plasti-Bond REDH₂OT has. The end result is superior PVC bonding to the metal and the additional backup corrosion protection of zinc.

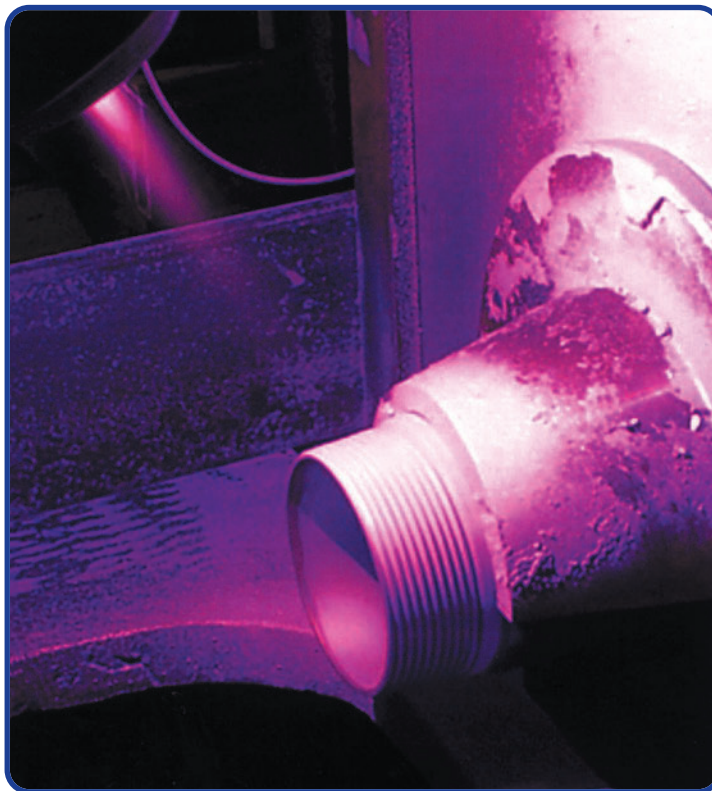
Plasti-Bond REDH₂OT outperforms other coated conduit brands because it was prepared right... right from the start.

ProTECH™ ...Nothing Can Touch Our Threads!

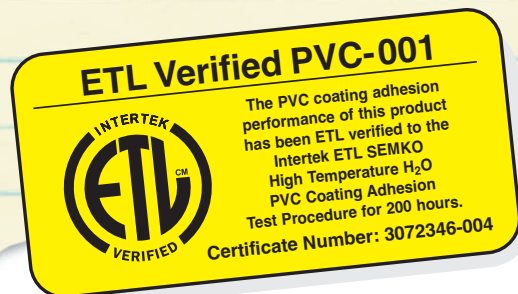
ProTECH™ is a system that provides our conduit threads with unsurpassed corrosion protection.

The ProTECH system represents an investment of almost \$2 million with a single goal of delivering to you the highest quality coated conduit thread possible.

After PVC coating of the conduit, the automated, computer controlled ProTECH process starts with a laser trimming operation to remove excess PVC from the conduit ends. Next is mechanical surface preparation of the previously chemically cleaned conduit threads. This is critical because surface preparation is the key to a good bond. Next, the clean pipe threads are hot-galvanized using specially designed equipment, including 3-axis robotic arms. After hot-galvanizing, the threads are coated with a clear polyurethane spray, protecting the galvanized thread from corrosive attack. Nothing has touched the zinc coating of our threads!



Price = Cost Value



Price

Plasti-Bond REDH₂OT pricing is competitive and fair. All we ask is an opportunity to prove it.

Value

When you buy Plasti-Bond REDH₂OT you get a combination of value-adds available only from Plasti-Bond.

- Value from the best bond in the industry.
- Value from ETL-Verified Performance testing.
- Value from the best available corrosion protection.
- Value from the longest available product life cycle.
- Value from reduced or eliminated replacement costs.
- Value from ease-of-installation and resulting savings in reduced labor costs and eliminated downtime.
- Value from the industry's best application success rate and iron-clad written warranty.
- Value from the best available customer service and technical support including Installer Certification.
- Value from "the extras":

Customized Installation Tools

Molded Ribbed Couplings Standard

Sealing Sleeves Fit Tightly Over Coated Conduit When Assembled

Encapsulated Stainless Steel Screws

Patented V-Seal Fittings

Gasket Seals On Fittings

Standard And Special Radius Elbows And Nipples

Coated Korn's Clamps Designed For PVC Coated Conduit

Color Coded Thread Protectors

Cost

Only Plasti-Bond REDH₂OT provides you the exceptional combination of benefits that add up to unequaled installed value for coated rigid metal conduit.

Unequaled Installed Value

Ask Yourself These Questions to Determine Your True Costs:

- Can you afford the risk of unreliable corrosion protection?
- Can you afford to buy and pay to install more conduit to replace faulty conduit that did not provide corrosion protection?
- Can you afford the risk of your operation being impaired or shut down while you replace failed conduit?
- Can you afford the safety risk of conduit failing to provide corrosion protection?

With Plasti-Bond REDH₂OT, the only choice you need to make is that you want the best corrosion protection for your conduit system. There are three facts to keep in mind:

Unequaled Bond. Unequaled Corrosion Protection. Unequaled Installed Value.

Only Plasti-Bond REDH₂OT provides all three. With Plasti-Bond REDH₂OT, you can install it, and forget it.

**That is a proven
REDH₂OT fact.**



Value Added Features And Benefits Of Plasti-Bond

PLASTI-BOND REDH₂OT'S BOND

Feature: The best in the industry! No Equal!

Benefit: Ensures that corrosives never touch the metal.

PLASTI-BOND REDH₂OT'S CHEMICAL RESISTANCE

Feature: Coatings are resistant to a wide range of corrosive chemicals.

Benefit: Prevents the exposure of the metal to damaging environments.

PLASTI-BOND REDH₂OT'S SEALING SLEEVES

Feature: PVC sleeves that are sized so they fit tightly over the coated conduit when assembled.

Benefit: Keeps corrosive elements from the threaded joints.

ADHESION ENHANCEMENT PROCESS (AEP™)

Feature: Plasti-Bond REDH₂OT receives special surface preparation.

Benefit: The best BOND in the industry! No Equal!

ENCAPSULATED STAINLESS STEEL SCREWS

Feature: All Form 8 conduit cover screws are made from stainless steel with a plastic encapsulated head.

Benefit: Maximum corrosion protection provides a seal around the screw opening.

PLASTI-BOND REDH₂OT POLYURETHANE COATINGS

Feature: Plasti-Bond's polyurethane coatings have been specially formulated.

Benefit: Optimum chemical resistance, flexibility, durability, and BOND! No Equal!

UV STABILIZED PVC COATING

Feature: Specially formulated UV stabilized PVC coating used on Plasti-Bond REDH₂OT products.

Benefit: Resistant to UV damage. No coating deterioration when exposed outdoors.

PROTECH™ SYSTEM - HOT GALVANIZED CONDUIT THREADS AFTER COATING - "NO TOUCH"

Feature: We use a specialized hot galvanizing system on our PVC conduit threads after PVC coating.

Benefit: Nothing ever touches the zinc coating on Plasti-Bond REDH₂OT conduit threads.

COMPREHENSIVE LINE OF FACTORY NIPPLES AND ELBOWS, STANDARD, SPECIAL RADIUS

Feature: Quick shipment of a comprehensive line of factory Nipples and Elbows, Standard, Special Radius.

Benefit: Faster installation and lower labor costs.

V-SEAL® FORM 8 FITTINGS

Feature: Our patented Plasti-Bond REDH₂OT V-Seal® fittings use a special interlocking V groove.

Benefit: Covers effectively seal out corrosive environments.

RIBBED COUPLINGS

Feature: Molded ribs on Plasti-Bond REDH₂OT couplings provide an additional thickness of PVC.

Benefit: Protects the coating from cuts and abrasions caused by the teeth of wrenches and other installation tools.

PVC GASKET SEALS ON FITTINGS

Feature: Plasti-Bond fittings have sealing sleeves.

Benefit: Keeps corrosives from getting into the conduit system through joints and openings, protecting the interior of the system from corrosion.

CLAMPS DESIGNED FOR PVC COATED CONDUIT

Feature: All of Plasti-Bond REDH₂OT PVC coated pipe straps, clamps and clamp back spacers are specially designed to fit PVC coated conduit.

Benefit: Proper fit and ease of installation.

COLOR CODED THREAD PROTECTORS

Feature: Thread protectors are color coded by size.

Benefit: Quick identification of conduit size.

INSTALLATION TOOLS

Feature: Special installation tools are available.

Benefit: Installation is faster, easier and damage free.

FIVE YEAR WARRANTY

Feature: Five Year Warranty.

Benefit: Peace of mind.

INTERNET WEB SITE WWW.PLASTIBOND.COM

Feature: Internet Web Site.

Benefit: Convenient, 24-hour a day access to our product catalog, price list, product information, installation instructions, submittal guide, and other useful information. You can also e-mail questions and comments to us.

ETL VERIFIED PVC-001:

The PVC coating adhesion performance of this product has been ETL verified to the Interek ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours.



CORROSION COLLEGE

Helping You Beat Corrosion Through Education

According to the National Association of Corrosion Engineers, this cost exceeds \$300 billion...per year! Corrosion College, on the other hand, is absolutely free. You cannot afford to miss it!

Corrosion College includes:

- Two days of intensive instruction conducted by professionals in the field of corrosion protection.
- Hands-on experience in understanding the process of corrosion.
- Exploration of proven strategies for combating corrosion.
- A comprehensive curriculum including case studies and laboratory workshops.
- Interactive presentations detailing the proper installation and anti-corrosion performance of rigid metal PVC-coated conduit and fittings.

Corrosion College is of direct benefit to:

Specifiers End-Users Owners Engineers
Purchasing Agents Distributors Contractors

Here are just a few comments from those who found great value in the Corrosion College:

"This course was very well organized."

D.R. - Design/Material Specialist

"Demonstrates concern for a quality product."

D.R. - Contractor

"Good Texas hospitality, knowledgeable instructors, good communications and worthwhile topics all contributed to a pleasant atmosphere and successful learning session."

J.H. - Electrical Engineer

"I enjoyed the course and had fun with the the presenter."

B.E. - Electrical Engineer

"A very well done course, I learned alot and thank you guys for having me here."

F.D. - Electrical Engineer

"The entire course and stay was EXTREMELY delightful and appreciated greatly... was conducted in a very relaxing and positive way."

R.W. - Electrical Contractor

"Although not geared specifically toward my job background as a UL employee, the Corrosion College provided me with a wealth of information that I will be able to apply in my job. More important for my application is that this course gave me a firm understanding of corrosion protection, which I will be able to utilize in developing listing requirements."

B.W. - Electrical Engineer

"Hands-on aspect is an outstanding memory aid."

G.W. - Technical Editor

"Super!"

M.M. - Electrical Engineer

"Absolutely the most pleasant learning experience. Of all my training opportunities I have gotten the most out of this."

T.M. - Electrical Reliability

"I found the portion of the course which covered the process of corrosion and corrosion protection (sacrificial vs. barrier) very informative. The staff presenting the class was extremely well informed and made the information interesting. Thank you."

K.A. - Electrical Engineer

"Overall this was a joyful, enjoyable experience. Excellent!!"

P.H. - Major City Water Dept. Engineer

"I came to learn and DID."

R.D. - Electrical Contractor

"A very professional learning adventure that benefited me tremendously. The instructors get A+ for knowledge and teaching methods"

D.M. - I&E Supervisor

"I have been to many different types of conferences/seminars/etc. and this has been one of the best I have attended. Job well done."

B.E. - College Instructor

"I had no idea that there was so much to learn about corrosion. This was a very good school."

R.B. - End User E.E.

**Now Accredited for 1.5
Continuing Education Units!**

Installer Certification

ENSURING THE MOST EFFECTIVE USE OF THE BEST AVAILABLE PRODUCT: PLASTI-BOND REDH₂OT

We believe in the absolute need for Installer Certification. This is our way of ensuring that Plasti-Bond REDH₂OT is installed properly and can be depended upon for the high level of reliable performance for which it has been designed and engineered.

We regard Installer Certification as a win-win situation for all involved. Qualified installation provides these benefits:

- The end-user receives optimum installation quality.
- The engineering firm benefits because of obvious concern for providing only the best to the end-user.
- The contractor achieves more cost-effective installation.
- The installer's skills are made even more valuable.
- Everyone gains from more efficient installation times and significantly reduced risks of the need for rework.

Plasti-Bond Installer Certification is based upon training that includes classroom and hands-on instruction encompassing:

- The manufacturing processes of coated conduit.
- Proper installation techniques and tools.
- Hands-on instruction for clamping, cutting, bending, threading and assembly of coated conduit.
- Interactive discussion of techniques and troubleshooting.

Only installers who are able to present the authorized credentials of having passed our instruction and examination are officially certified to install Plasti-Bond's unequalled products. If you require verification of certification, please call our Installer Certification Coordinator at 903-843-5591. We maintain an ongoing master registration log.

**THE FIVE BASIC STEPS FOR
PROPER INSTALLATION OF**

**PLASTI-BOND
REDH₂OT®**

- 1 Clamping
- 2 Cutting
- 3 Threading
- 4 Bending
- 5 Assembly

Plasti-Bond
REDH₂OT®

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Fax: 903/843-2516

5 ASSEMBLY

- Use Plasti-Bond Touch Up Compound to repair nicks, cuts and abrasions to the exterior of the Plasti-Bond REDH₂OT conduit.
- Plasti-Bond Touch Up Compound can be used as a sealant at access fitting openings.
- Plasti-Bond REDH₂OT Z Wrenches are designed to replace standard adjustable pliers and channel locks.
- Using Plasti-Bond REDH₂OT Spin-it, reduces marks left by wrenches or pliers, saving time and labor.
- Jaws 3 is a set of three aluminum-nickel-bronze vise jaws designed to replace the regular jaws in a pipe vise. When ordering Jaws 3 be sure to specify the vise model.

- Use the Plasti-Bond REDH₂OT Plasti-Socket and a standard 3/8" ratchet to speed up U Bolt and beam clamp installation.

Plasti-Bond REDH₂OT

Certifies that:

(Certified Installer's Name)

(Company)

has successfully completed The Coated
Conduit System Installation Training
on this _____ day of _____ 20____

Instructor

As a certified Plasti-Bond installer you are
now qualified to conduct installation training
and authorize certification of new installers

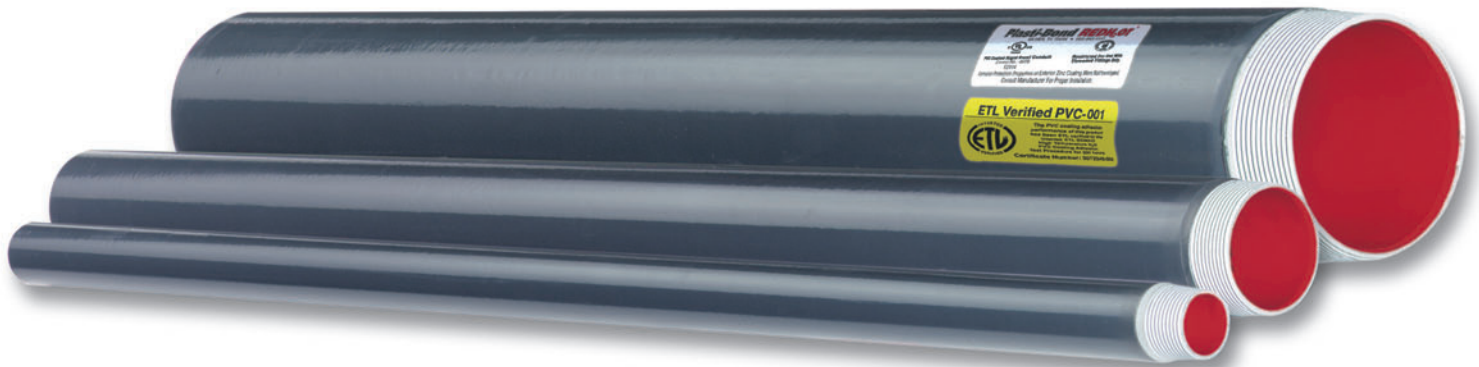
Certificate # _____

www.plastibond.com

Installer certification is free of charge and available at the job site, contractor's shop, factory, or wherever it is convenient to you!

PLASTI-BOND REDH₂OT COATED GALVANIZED RIGID CONDUIT AND NIPPLES

COATED CONDUIT



PVC Coated Galvanized Rigid Conduit Specifications

PVC coated galvanized rigid conduit with red urethane interior coating protects conductors from mechanical damage and corrosive attack. Electrical continuity is maintained across assembled joints.

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- PROTECH threads – A clear urethane coating over hot galvanized threads
- 12 trade sizes from 1/2" through 6"
- Shipped in 10' lengths
- Plastic thread protector caps are color coded for quick identification of conduit size.

Thread Protector Cap Colors:

- Black- for 1/2" sizes, 1/2", 1-1/2", 2-1/2", 3-1/2"
- Red- for 1/4" sizes, 3/4", 1-1/4"
- Blue- for even sizes, 1", 2", 3", 4", 5", 6"

- UL Listed, (Standard 6) with PVC as the primary corrosion protection for the steel conduit. The underlying zinc coating is a supplemental corrosion protection coating. Restricted for use with threaded fittings only. (UL 6 is now used in lieu of WWC 581.)

ETL VERIFIED PVC-001: The PVC coating adhesion performance of this product has been ETL verified to the Interec ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours.



REDH₂OT PRODUCT FLASH

Plasti-Bond REDH₂OT... The Extra Distance in Protection from Corrosion

Thread Protection

As a closed system, a coated conduit installation is only as good as its threaded joints. Plasti-Bond offers you ProTech™ a unique technology of hot galvanizing our conduit threads. This new system provides two important benefits to the user. First, the zinc coating coverage is consistently uniform. Second, the threads are hot galvanized after the conduit is PVC coated. This means that nothing in the PVC coating process can damage the zinc coating on the threads, delivering a "virgin thread" to the user. These features offer much improved corrosion protection for the new threads. After hot galvanizing, we apply a clear urethane topcoat to ensure the threads remain corrosion free before and after installation.

APPROVAL STAMP

APPLICATION

FEATURES

COMPLIANCES

PLASTI-BOND REDH₂OT COATED CONDUIT AND NIPPLES

Coated Conduit Technical Data

COATED CONDUIT

Metric Size Designators	Pipe Size Inches	Catalog Number	Outside Wall Thickness Inches	Diameter With Coating Inches	Internal Inside Diameter Inches	Traverse Area Sq. Inches	Nominal Weight	Aluminum Catalog #
16	1/2"	PRHCONDUIT-1/2	.104"	.920"	0.632"	0.314"	85	PRCONDUIT-AL-1/2
21	3/4"	PRHCONDUIT-3/4	.107"	1.130"	0.836"	0.549"	112	PRCONDUIT-AL-3/4
27	1"	PRHCONDUIT-1	.126"	1.395"	1.063"	0.887"	164	PRCONDUIT-AL-1
35	1-1/4"	PRHCONDUIT-1-1/4	.133"	1.740"	1.394"	1.526"	217	PRCONDUIT-AL-1-1/4
41	1-1/2"	PRHCONDUIT-1-1/2	.138"	1.980"	1.624"	2.071"	268	PRCONDUIT-AL-1-1/2
53	2"	PRHCONDUIT-2	.146"	2.455"	2.083"	3.408"	358	PRCONDUIT-AL-2
63	2-1/2"	PRHCONDUIT-2-1/2	.193"	2.955"	2.489"	4.866"	546	PRCONDUIT-AL-2-1/2
78	3"	PRHCONDUIT-3	.205"	3.580"	3.090"	7.499"	708	PRCONDUIT-AL-3
91	3-1/2"	PRHCONDUIT-3-1/2	.215"	4.080"	3.570"	10.010"	851	PRCONDUIT-AL-3-1/2
103	4"	PRHCONDUIT-4	.225"	4.580"	4.050"	12.882"	1009	PRCONDUIT-AL-4
129	5"	PRHCONDUIT-5	.245"	5.643"	5.073"	20.212"	1337	PRCONDUIT-AL-5
155	6"	PRHCONDUIT-6	.266"	6.705"	6.093"	29.158"	1993	PRCONDUIT-AL-6

PLASTI-BOND REDH₂OT COATED NIPPLES

APPLICATION

PLASTI-BOND REDH₂OT factory threaded nipples save you time and money in the field. Electrical continuity is maintained across assembled joints.

*The exteriors of certain short nipples are coated with urethane in lieu of PVC. This is dictated by the manufacturing process as well as assembly considerations.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior and thread coating
- 12 trade sizes from 1/2" through 6"
- 11 standard lengths in available: Close, 2" to 12"
- Made to order lengths available – Call for quote
- Plastic thread protector caps are color coded for quick identification of conduit size.

Thread Protector Cap Colors:

- Black- for 1/2" sizes, 1/2", 1-1/2", 2-1/2", 3-1/2"
- Red- for 1/4" sizes, 3/4", 1-1/4"
- Blue- for even sizes, 1", 2", 3", 4", 5", 6"

COMPLIANCES

UL Listed, (Standard 6) with PVC as the primary corrosion protection for the steel conduit. The underlying zinc coating is a supplemental corrosion protection coating. Restricted for use with threaded fittings only. (UL 6 is now used in lieu of WWC 581.)

ETL VERIFIED: Plasti-Bond Nipples are manufactured from ETL-verified conduit.

Simple Steps To Ordering

To order PLASTI-BOND coated nipples follow these simple steps to create a catalog number:

- 1- Determine Proper Prefix.**
 - For steel conduit nipples use the prefix: **PRHNIP-**
 - For aluminum conduit nipples use the prefix: **PRNIP-AL-**
- 2- Add the conduit trade size needed to your catalog prefix.**
Example - 1/2" coated steel nipple: **PRHNIP-1/2**
- 3- Enter an "X" to represent "by" as in "2X4".**
Example - **PRHNIP-1/2X**
- 4- Enter the desired nipple length.**
Example - 10" **PRHNIP-1/2X10**

The catalog number for a Plasti-Bond coated steel, 1/2" nipple with a length of 10": **PRHNIP-1/2X10**

This number can then be looked up in the listing of pricing to determine price and availability.

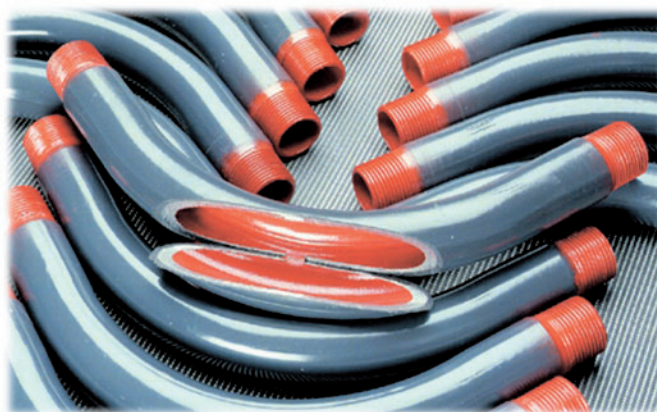
Call 903-843-5591 for custom orders, customer service and more information on **Plasti-Bond REDH₂OT**.

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂OT COATED ELBOWS

STANDARD RADIUS COATED ELBOWS



Coated Elbow Specifications

PLASTI-BOND REDH₂OT factory bent standard radius elbows are available and ready to ship. Factory bent elbows are more accurate, quicker to install and more economical, because they save field bending time and do not waste materials. Electrical continuity is maintained across assembled joints.

- 40 mil Gray PVC exterior coating
- 2 mil Red urethane interior and thread coating
- 12 trade sizes from 1/2" through 6"
- Available in 90°, 60°, 45°, and 30° bends
- Plastic thread protector caps are color coded for quick identification of conduit size.

Thread Protector Cap Colors:

- Black- for 1/2" sizes, 1/2", 1-1/2", 2-1/2", 3-1/2"
- Red- for 1/4" sizes, 3/4", 1-1/4"
- Blue- for even sizes, 1", 2", 3", 4", 5", 6"

- UL Listed, (Standard 6) with the PVC as the primary corrosion protection for the steel conduit. The underlying zinc coating is a supplemental corrosion protection coating. Restricted for use with threaded fittings only. (UL 6 is now used in lieu of WWC 581.)

ETL VERIFIED: Plasti-Bond Elbows are manufactured from ETL-verified conduit.

APPLICATION

FEATURES

COMPLIANCES

Simple Steps To Ordering

To order the PLASTI-BOND coated elbows follow these simple steps to creating a catalog number:

- 1- Determine Proper Prefix.**
 - For steel conduit elbow use the prefix: **PRHELB-**
 - For aluminum conduit elbow use the prefix: **PRELB-AL-**
- 2-** Add the conduit trade size needed to your catalog prefix.
Example - 1/2" steel conduit elbow: **PRHELB-1/2**
- 3-** Enter an "X" to represent "by" as in "2X4".
Example - **PRHELB-1/2X**
- 4-** Enter the desired elbow degree of bend.
Example - 45°: **PRHELB-1/2X45**

For a coated steel, 1/2" elbow with a 45° bend, the catalog number would be: **PRHELB 1/2X45**

STEP 5 AND 6 FOR CONFIGURING CATALOG NUMBERS FOR LARGE RADIUS ELBOWS

- 5-** Enter an "X" to represent "by" as in "2X4".
Example - **PRHELB-1/2X45X**
- 6-** Enter the desired elbow radius.
Example - 30: **PRHELB-1/2X45X30**

For a coated steel, 1/2" elbow with a 45° bend, and a special radius of 30" the catalog number would be:
PRHELB-1/2X45X30

This number can then be looked up in the listing of pricing to determine price and availability.

Call 903-843-5591 for custom orders, customer service and more information on **Plasti-Bond REDH₂OT**.

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

STANDARD RADIUS COATED ELBOWS

Dimensions

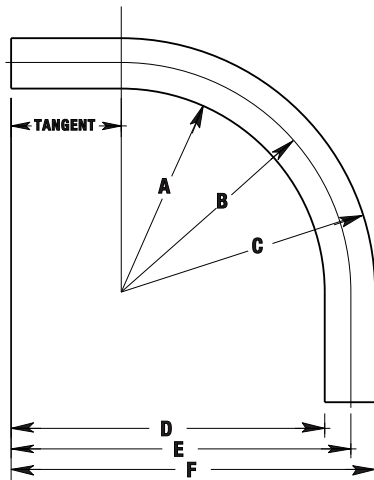


Diagram Legend

- A = Radius at inside of bend.
- B = Radius at center line of bend.
- C = Radius at outside of bend.
- D = Offset at inside of bend.
- E = Offset at center of bend.
- F = Offset at outside of bend.

STANDARD RADIUS ELBOWS

Metric Size Designators	Nominal Size Inches	DIAMETERS		Nipple Lengths Inches	RADII			OFFSET			Tangent Inches
		External Inches	Internal Inches		A Inches	(standard) B Inches	C Inches	D Inches	E Inches	F Inches	
16	1/2"	0.920"	0.632"	11-1/4"	3.79"	4.25"	4.71"	6.040"	6.500"	6.960"	2.250"
21	3/4"	1.130"	0.836"	12-1/2"	3.94"	4.50"	5.07"	6.685"	7.250"	7.815"	2.750"
27	1"	1.395"	1.063"	14-3/4"	5.05"	5.75"	6.45"	7.928"	8.625"	9.323"	2.875"
35	1-1/4"	1.740"	1.394"	17-3/4"	6.38"	7.25"	8.12"	9.567"	10.437"	11.307"	3.187"
41	1-1/2"	1.980"	1.624"	19-3/4"	7.26"	8.25"	9.24"	10.635"	11.625"	12.615"	3.375"
53	2"	2.455"	2.083"	22-1/2"	8.27"	9.50"	10.73"	12.086"	13.313"	14.541"	3.813"
63	2-1/2"	2.955"	2.489"	28"	9.02"	10.50"	11.98"	14.776"	16.253"	17.731"	5.753"
78	3"	3.580"	3.080"	32"	11.21"	13.00"	14.79"	17.000"	18.790"	20.580"	5.790"
91	3-1/2"	4.080"	3.570"	39-1/2"	12.96"	15.00"	17.04"	20.920"	22.960"	25.000"	7.960"
103	4"	4.580"	4.050"	39-1/2"	13.71"	16.00"	18.29"	20.890"	23.180"	25.470"	7.180"
129	5"	5.643"	5.073"	59-1/2"	21.18"	24.00"	26.82"	32.079"	34.900"	37.722"	10.900"
155	6"	6.705"	6.093"	76"	26.65"	30.00"	33.35"	41.088"	44.440"	47.793"	14.440"

PLASTI-BOND REDH₂O factory bent elbows are also available in larger than standard radii to accommodate your special needs. Simply follow the four steps for standard radius elbows on the previous page, then continue with Steps 5 and 6 for large radius elbows. Refer to the table below to determine which radius is available for the size of conduit you need.

To use the Large Radius Elbow table, find the elbow radius required in the first row. Then look down the column to determine which conduit sizes are available in that radius. *Use this information in Steps 5 and 6 on the previous page to build a catalog number.*

LARGE RADIUS ELBOWS

Radius B in Inches	12"	15"	18"	18"	24"	24"	30"	30"	36"	36"	36"	42"	42"	42"	48"	48"	48"
E Offset	1'5-1/2"	1'9-1/4"	2'1/4"	2'3"	2'8"	2'10"	3'4"	3'5"	3'11"	3'11-1/4"	4'3-1/4"	4'5"	4'6"	4'9-1/2"	5'1/4"	5'1-1/4"	5'3-1/4"
Nipple Length	2'6"	3'0"	3'5"	3'10"	4'6"	4'9"	5'6"	5'9"	6'7"	6'7"	7'3"	7'4"	7'6"	8'1"	8'4"	8'6"	8'10"
Tangent	5-1/2"	6-1/4"	6-1/4"	9"	8"	10"	10"	11"	11"	11-1/4"	15-1/4"	11"	12"	15-1/2"	12-1/4"	13-1/4"	15-1/4"
Available Pipe Sizes	1" & 2"	2"	1"	1-1/2" to 3"	3/4" to 2"	2-1/2" to 5"	2" to 3"	4" to 6"	3/4" to 4"	5" only	6" only	4"	5" only	n/a	1-1/2" to 4"	5" only	6" only

PLASTI-BOND REDH₂O_T PULLING ELBOWS

PULLING ELBOWS



PRLBD2200

Pulling Elbows Specifications

APPLICATION

PLASTI-BOND REDH₂O_T LBD conduit bodies are used at 90° bends in conduit runs to allow straight pulls at bends, to serve as pull outlets for stiff conductors, to allow for service entrance into buildings or to allow conductor entrance into motors. Electrical continuity of the conduit system is maintained across assembled joints.

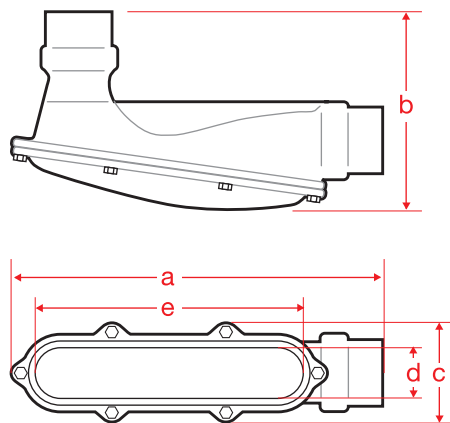
FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 10 trade sizes from 1/2" through 4"
- Sealing sleeves on all conduit openings
- Molded-in seal between body and cover
- Domed covers allow gentle bends of conductors
- Shipped with covers
- Angled covers allow straight pulling in either direction

COMPLIANCES

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

Pulling Elbows Technical Data



PULLING ELBOWS LBD

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRLBD1100	1.2	5.54	2.85	1.39	1.00	3.34	PRLBD1100SA
3/4"	PRLBD2200	2.0	7.04	3.42	1.64	1.25	4.53	PRLBD2200SA
1"	PRLBD3300	2.5	7.29	3.98	1.89	1.50	4.34	PRLBD3300SA
1-1/4"	PRLBD4400	6.0	9.92	5.54	3.58	1.81	7.19	PRLBD4400SA
1-1/2"	PRLBD5500	11.5	13.98	6.98	4.71	2.63	10.88	PRLBD5500SA
2"	PRLBD6600	18.0	14.48	7.48	4.71	2.63	10.88	PRLBD6600SA
2-1/2"	PRLBD7700	22.0	21.73	11.60	5.71	3.00	15.75	PRLBD7700SA
3"	PRLBD8800	35.0	21.73	11.60	5.71	3.00	15.75	PRLBD8800SA
3-1/2"	PRLBD9900	60.0	29.85	13.92	7.21	4.00	24.00	PRLBD9900SA
4"	PRLBD10900	70.0	29.85	13.92	7.21	4.00	24.00	PRLBD10900SA

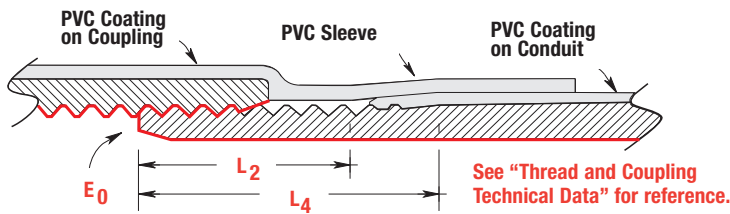
APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂O_T CONDUIT THREAD AND COUPLING

COATED COUPLINGS

Thread and Coupling Specifications



All female pipe openings are provided with a PVC sleeve sized to fit tightly over the PVC coated conduit when assembled. This prevents corrosives from contacting threaded joints.

APPLICATION

PVC coated rigid metal conduit couplings with red urethane interior coating connects coated conduit sections. Electrical continuity is maintained across assembled joints. PVC sleeves on couplings seal off on conduit PVC coating when assembled to prevent corrosive liquids and vapors from attacking threaded joints.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating over galvanized threads
- 12 trade sizes from 1/2" through 6"
- Sealing sleeves on both ends
- Molded external ribs on 1/2" – 4" to prevent tool damage during assembly
- Couplings are straight tapped

COMPLIANCES

- UL Listed Standard 6

Thread and Coupling Technical Data

COUPLING

THREADS

Metric Size Designators	Pipe Size Inches	Steel Catalog #	Nominal Weight Per 100 (Pounds)	Outside Diameter With Ribs Inches	Threads Per Inch	Effective Length L_2	Total Length of Threads to Vanish Point L_4	Pitch At End of Thread 3/4 in. Taper E_0	Aluminum Catalog #
16	1/2"	PRCPLG-1/2	19	1.344"	14	.5337"	.7815"	.7584"	PRCPLG-AL-1/2
21	3/4"	PRCPLG-3/4	32	1.531"	14	.5457"	.7935"	.9677"	PRCPLG-AL-3/4
27	1"	PRCPLG-1	40	1.781"	11-1/2	.6828"	.9845"	1.2136"	PRCPLG-AL-1
35	1-1/4"	PRCPLG-1-1/4	50	2.156"	11-1/2	.7068"	1.0085"	1.5571"	PRCPLG-AL-1-1/4
41	1-1/2"	PRCPLG-1-1/2	69	2.469"	11-1/2	.7235"	1.0252"	1.7961"	PRCPLG-AL-1-1/2
53	2"	PRCPLG-2	93	2.969"	11-1/2	.7565"	1.0582"	2.2690"	PRCPLG-AL-2
63	2-1/2"	PRCPLG-2-1/2	123	3.594"	8	1.1375"	1.5712"	2.7195"	PRCPLG-AL-2-1/2
78	3"	PRCPLG-3	217	4.250"	8	1.2000"	1.6337"	3.3406"	PRCPLG-AL-3
91	3-1/2"	PRCPLG-3-1/2	422	4.875"	8	1.2500"	1.6837"	3.8375"	PRCPLG-AL-3-1/2
103	4"	PRCPLG-4	391	5.250"	8	1.3000"	1.7337"	4.3344"	PRCPLG-AL-4
129	5"	PRCPLG-5	550	6.080"	8	1.4063"	1.8400"	5.3907"	PRCPLG-AL-5
155	6"	PRCPLG-6	884	7.280"	8	1.5125"	1.9462"	6.4461"	PRCPLG-AL-6

Couplings are straight tapped.

Tolerance, thread length = ± 1 thread.

Plus or minus 1 turn is the maximum variation permitted from the gauging face of the working thread gauges.

This is equivalent to plus or minus 1 and 1-1/2 turns from the basic dimensions, since the variation of plus or minus 1/2 turn from basic dimension is permitted in working gauges.

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂O_T CONDUIT BODIES

CONDUIT BODIES AND COVERS FOR GENERAL SERVICE LOCATIONS



PRHLB28



PRHLR28

Conduit Bodies Specifications

PLASTI-BOND REDH₂O_T conduit bodies with covers are offered in Form 8 and Form 7 styles, each with numerous configurations to provide a complete coated conduit system. May be used to make 90° bends, for pull outlets, to provide for taps or splices, to act as a mounting outlet for wiring devices or lighting fixtures etc.. Form 8 style fittings 1/2" – 2" have an integral V-Seal gasket for superior corrosion protection. Electrical continuity of the conduit system is maintained across assembled joints.

- 40 mil gray PVC exterior coating
- 2 mil red urethane internal coating
- 10 trade sizes from 1/2" through 4"
- Sealing sleeves on all conduit openings
- Form 7 style cover uses retained stainless screw and wedge clip design
- Form 8 style cover uses plastic encapsulated stainless steel screws with retainers built into covers for trade sizes 1/2" through 2".
- Integral V-Seal gasket on Form 8 style, sizes 1/2" through 2"

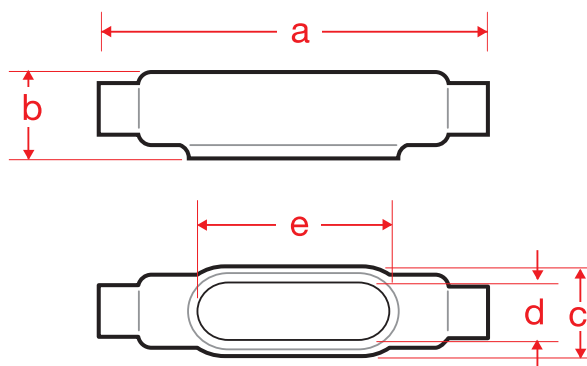
- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

Note: Form 7 fittings are not available with encapsulated screws. All cover screws are stainless steel. Form 8 fittings are shipped with encapsulated screws.

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

Conduit Bodies Technical Data



C FORM 8 MARK 9

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHC18	2.0	6.69	1.48	1.46	1.00	3.31	PRC19
3/4"	PRHC28	2.3	7.78	1.73	1.27	1.19	3.94	PRC29
1"	PRHC38	2.8	9.31	1.98	1.83	1.38	4.56	PRC39
1-1/4"	PRHC448	4.5	11.00	2.42	2.27	1.75	5.31	PRC49
1-1/2"	PRHC58	6.5	13.38	2.82	2.83	2.13	6.50	PRC59
2"	PRHC68	10.3	14.25	3.60	3.83	3.00	8.56	PRC69
2-1/2"	PRC78	18.0	17.63	4.48	5.08	4.25	10.88	PRC789
3"	PRC88	20.5	17.63	4.85	5.08	4.25	10.88	PRC889
3-1/2"	PRC989	10.0	20.75	5.73	6.33	5.44	13.44	PRC989
4"	PRC1089	12.0	20.75	5.73	6.33	5.44	13.44	PRC1089

C FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRC17	1.0	6.38	1.42	1.46	0.94	3.19	PRC17SA
3/4"	PRC27	1.4	7.50	1.67	1.64	1.13	3.81	PRC27SA
1"	PRC37	2.2	9.00	1.92	1.83	1.38	4.50	PRC37SA
1-1/4"	PRC47	2.7	9.94	2.35	2.27	1.75	5.00	PRC47SA
1-1/2"	PRC57	4.0	11.19	2.60	2.52	1.94	5.44	PRC57SA
2"	PRC67	5.5	11.19	3.17	3.08	2.44	6.38	PRC67SA
2-1/2"	PRC77	10.0	14.00	3.67	4.33	3.56	8.38	PRC77SA
3"	PRC87	11.8	13.75	4.42	4.33	3.56	8.38	PRC87SA

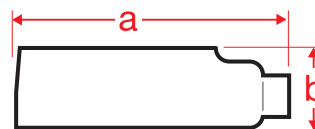
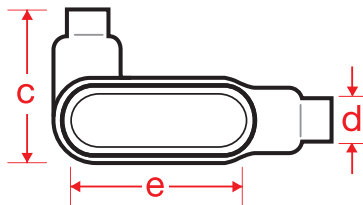
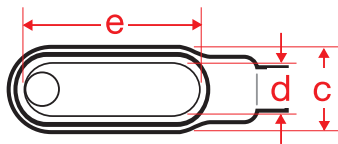
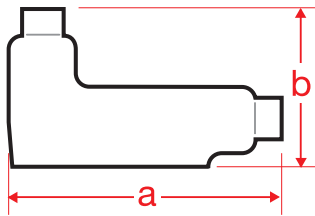
APPLICATION

FEATURES

COMPLIANCES

CONDUIT BODIES AND COVERS FOR GENERAL SERVICE LOCATIONS

Conduit Bodies Technical Data



LB FORM 8

MARK 9

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHLB18	1.5	5.48	2.26	1.42	1.00	3.31	PRLB19
3/4"	PRHLB28	2.0	6.35	2.48	1.60	1.19	3.94	PRLB29
1"	PRHLB38	2.9	7.51	2.85	1.79	1.38	4.56	PRLB39
1-1/4"	PRHLB448	4.1	8.82	3.38	2.23	1.75	5.31	PRLB49
1-1/2"	PRHLB58	6.5	10.67	4.07	2.79	2.13	6.50	PRLB59
2"	PRHLB68	8.2	13.04	4.85	3.79	3.00	8.56	PRLB69
2-1/2"	PRLB78	18.2	15.98	6.17	5.04	4.25	10.88	PRLB789
3"	PRLB888	21.2	15.98	6.54	5.04	4.25	10.88	PRLB889
3-1/2"	PRLB98	31.2	18.92	7.60	6.29	5.44	13.44	PRLB989
4"	PRLB108	32.0	18.92	7.85	6.29	5.44	13.44	PRLB1089

LB FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRLB17	1.1	5.10	2.29	1.42	0.94	3.19	PRLB17SA
3/4"	PRLB27	1.7	5.98	2.54	1.6	1.13	3.81	PRLB27SA
1"	PRLB37	2.2	7.04	2.92	1.79	1.38	4.50	PRLB37SA
1-1/4"	PRLB47	3.1	7.79	3.35	2.23	1.75	5.00	PRLB47SA
1-1/2"	PRLB57	3.8	8.67	3.73	2.48	1.94	5.44	PRLB57SA
2"	PRLB67	5.2	10.17	4.29	3.04	2.44	6.38	PRLB67SA
2-1/2"	PRLB777	10.0	12.54	5.17	4.29	3.56	8.38	PRLB777SA
3"	PRLB87	13.0	12.54	5.92	4.29	3.56	8.38	PRLB87SA
3-1/2"	PRLB97	19.0	14.73	6.60	5.29	4.50	10.25	PRLB97SA
4"	PRLB107	18.5	14.73	7.10	5.29	4.50	10.25	PRLB107SA

LL FORM 8

MARK 9

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHLL18	1.4	5.48	1.48	2.20	1.00	3.31	PRL19
3/4"	PRHLL28	2.1	6.35	1.73	2.35	1.19	3.94	PRL29
1"	PRHLL38	2.6	7.51	1.98	2.67	1.38	4.56	PRL39
1-1/4"	PRHLL448	4.2	8.82	2.42	3.20	1.75	5.31	PRL49
1-1/2"	PRHLL58	6.2	10.67	2.82	4.04	2.13	6.50	PRL59
2"	PRHLL68	10.5	13.04	3.60	5.04	3.00	8.56	PRL69
2-1/2"	PRL78	19.0	15.98	4.48	6.73	4.25	10.88	PRL789
3"	PRL888	21.5	15.98	4.85	6.73	4.25	10.88	PRL889
3-1/2"	PRL98	21.5	14.73	4.92	6.98	4.50	10.25	PRL989
4"	PRL1089	24.5	14.73	5.42	6.98	4.50	10.25	PRL1089

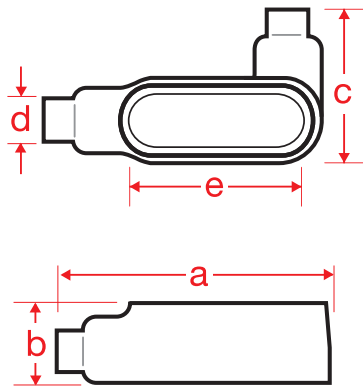
LL FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRL17	1.2	5.1	1.42	2.29	0.94	3.19	PRL17SA
3/4"	PRL27	1.6	5.98	1.67	2.48	1.13	3.81	PRL27SA
1"	PRL37	2.1	7.04	1.92	2.79	1.38	4.50	PRL37SA
1-1/4"	PRL47	3.0	7.79	2.35	3.23	1.75	5.00	PRL47SA
1-1/2"	PRL57	4.1	8.67	2.60	3.60	1.94	5.44	PRL57SA
2"	PRL67	5.7	10.17	3.17	4.17	2.44	6.38	PRL67SA
2-1/2"	PRL777	10.0	12.54	3.67	5.79	3.56	8.38	PRL777SA
3"	PRL87	12.7	12.54	4.42	5.79	3.56	8.38	PRL87SA
3-1/2"	PRL97	19.0	14.73	4.92	6.98	4.50	10.25	PRL97SA
4"	PRL107	19.0	14.73	5.42	6.98	4.50	10.25	PRL107SA

PLASTI-BOND REDH₂O CONDUCIT BODIES

CONDUIT BODIES AND COVERS FOR GENERAL SERVICE LOCATIONS

Conduit Bodies Technical Data



LR FORM 8

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHLR18	1.4	5.48	1.48	2.20	1.00	3.31	PRLR19
3/4"	PRHLR28	2.1	6.35	1.73	2.35	1.19	3.94	PRLR29
1"	PRHLR38	2.6	7.51	1.98	2.67	1.38	4.56	PRLR39
1-1/4"	PRHLR448	4.5	8.82	2.42	3.20	1.75	5.31	PRLR49
1-1/2"	PRHLR58	6.2	10.67	2.82	4.04	2.13	6.50	PRLR59
2"	PRHLR68	10.7	13.04	3.60	5.04	3.00	8.56	PRLR69
2-1/2"	PRLR78	17.7	15.98	4.48	6.73	4.25	10.88	PRLR789
3"	PRLR888	18.0	15.98	4.85	6.73	4.25	10.88	PRLR889
3-1/2"	PRLR989	21.0	14.73	4.92	6.98	4.50	10.25	PRLR989
4"	PRLR1089	24.0	14.73	5.42	6.98	4.50	10.25	PRLR1089

LR FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRLR17	1.2	5.10	1.42	2.29	0.94	3.19	PRLR17SA
3/4"	PRLR27	1.6	5.98	1.67	2.48	1.13	3.81	PRLR27SA
1"	PRLR37	2.1	7.04	1.92	2.79	1.38	4.50	PRLR37SA
1-1/4"	PRLR47	3.0	7.79	2.35	3.23	1.75	5.00	PRLR47SA
1-1/2"	PRLR57	4.1	8.67	2.60	3.60	1.94	5.44	PRLR57SA
2"	PRLR67	5.7	10.17	3.17	4.17	2.44	6.38	PRLR67SA
2-1/2"	PRLR777	10.0	12.54	3.67	5.79	3.56	8.38	PRLR777SA
3"	PRLR87	12.7	12.54	4.42	5.79	3.56	8.38	PRLR87SA
3-1/2"	PRLR97	19.0	14.73	4.92	6.98	4.50	10.25	PRLR97SA
4"	PRLR107	19.0	14.73	5.42	6.98	4.50	10.25	PRLR107SA



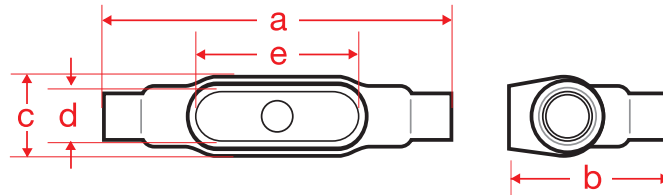
PRHT28



PRT27



Form 8 & Form 7 Covers



TB FORM 8

MARK 9

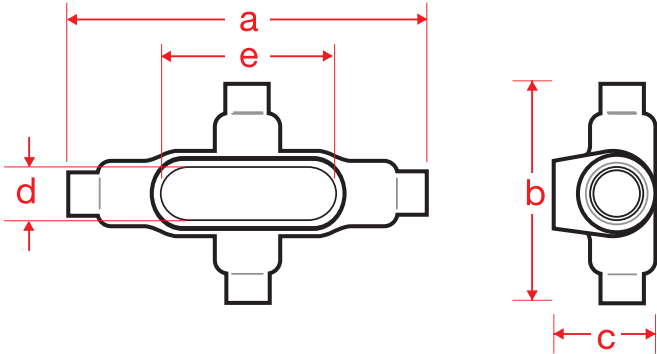
Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHTB18	2.0	6.69	3.57	1.46	1.00	3.31	PRTB19
3/4"	PRHTB28	2.3	7.78	3.79	1.64	1.19	3.94	PRTB29
1"	PRHTB38	3.1	9.31	4.17	1.83	1.38	4.56	PRTB39
1-1/4"	PRHTB448	5.2	11.00	4.38	2.27	1.75	5.31	-
1-1/2"	PRHTB58	7.0	13.38	5.07	2.83	2.13	6.50	-
2"	PRHTB68	11.0	16.25	5.85	3.83	3.00	8.56	-

TB FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRTB17	1.6	6.63	2.67	1.64	0.94	3.19	PRTB19
3/4"	PRTB27	2.1	7.75	2.92	1.83	1.13	3.81	PRTB29
1"	PRTB37	2.7	9.25	3.29	2.08	1.38	4.50	PRTB39
1-1/4"	PRTB47	3.7	9.94	3.35	2.27	1.75	5.00	-
1-1/2"	PRTB57	4.7	11.19	5.04	2.52	1.94	5.44	-
2"	PRTB67	7.0	13.19	6.17	3.08	2.44	6.38	-

CONDUIT BODIES FOR GENERAL SERVICE LOCATIONS

Conduit Bodies Technical Data



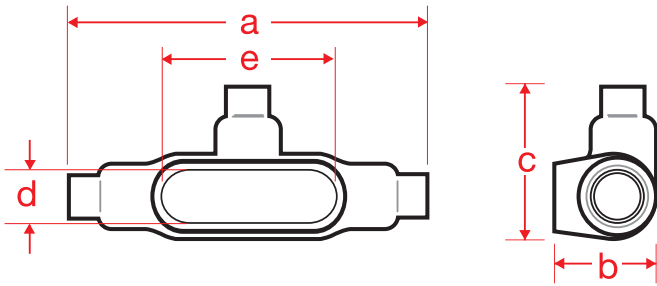
X FORM 8

MARK 9

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHX18	2.0	6.69	3.91	1.79	1.00	3.31	PRX19
3/4"	PRHX28	2.6	7.78	4.56	2.04	1.19	3.94	PRX29
1"	PRHX38	3.1	9.31	5.50	2.29	1.38	4.56	PRX39
1-1/4"	PRHX448	5.2	11.00	6.63	2.67	1.75	5.31	-
1-1/2"	PRHX58	7.5	13.38	8.25	2.51	2.13	6.50	-
2"	PRHX68	11.7	16.25	10.25	3.60	3.00	8.56	-

X FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRX17	1.7	6.63	3.35	1.79	0.94	3.19	PRX1SA
3/4"	PRX27	2.4	7.75	3.54	2.04	1.13	3.81	PRX2SA
1"	PRX37	2.7	9.25	4.04	2.29	1.38	4.50	PRX3SA
1-1/4"	PRX47	3.6	9.94	4.17	2.35	1.75	5.00	-
1-1/2"	PRX57	5.0	11.19	4.67	2.60	1.94	5.44	-
2"	PRX67	7.5	13.19	5.23	3.17	2.44	6.38	-



T FORM 8

MARK 9

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRHT18	1.8	6.69	1.79	2.20	1.00	3.31	PRT19
3/4"	PRHT28	2.5	7.78	2.04	2.35	1.19	3.94	PRT29
1"	PRHT38	3.3	9.31	2.29	2.67	1.38	4.56	PRT39
1-1/4"	PRHT448	4.9	11.00	2.67	3.20	1.75	5.31	PRT49
1-1/2"	PRHT58	7.5	13.38	2.82	4.04	2.13	6.50	PRT59
2"	PRHT68	11.7	16.25	3.60	5.04	3.00	8.56	PRT69
2-1/2"	PRT78	19.8	19.63	4.48	6.73	4.25	10.88	PRT789
3"	PRT88	23.5	19.63	4.85	6.73	4.25	10.88	PRT889
3-1/2"	PRT989	21.0	22.75	5.73	8.17	5.44	13.44	PRT989
4"	PRT1089	24.0	22.75	5.98	8.17	5.44	13.44	PRT1089

REPLACEMENT SCREW KITS

CATALOG #	Description
PBSCREW-KIT-1	1/2-3/4 FORM 8 ENCAP SCREWS
PBSCREW-KIT-2	1-1 1/4 FORM 8 ENCAP SCREWS
PBSCREW-KIT-3	1 1/2 FORM 8 ENCAP SCREWS
PBSCREW-KIT-4	2 FORM 8 ENCAP SCREWS
PBSCREW-KIT-5	2 1/2-3 FORM 8 ENCAP SCREWS
PBSCREW-KIT-6	3 1/2-4 FORM 8 ENCAP SCREWS
PBSCREW-KIT-7	1/2 OE ENCAP SCREWS
PBSCREW-KIT-8	3/4 OE ENCAP SCREWS
PBSCREW-KIT-9	1 1/4 LBD ENCAP SCREWS
PBSCREW-KIT-10	1 1/2 LBD ENCAP SCREWS
PBSCREW-KIT-11	2 LBD ENCAP SCREWS
PBSCREW-KIT-12	2 1/2-3 LBD ENCAP SCREWS
PBSCREW-KIT-13	2 1/2-3 MARK 9 ENCAP SCREWS
PBSCREW-KIT-14	3 1/2-4 MARK 9 ENCAP SCREWS

T FORM 7

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1/2"	PRT17	1.5	6.63	1.79	2.48	0.94	3.19	PRT17SA
3/4"	PRT27	2.1	7.75	2.04	2.67	1.13	3.81	PRT27SA
1"	PRT37	2.9	9.25	2.29	3.04	1.38	4.50	PRT37SA
1-1/4"	PRT47	3.6	9.94	2.35	3.23	1.75	5.00	PRT47SA
1-1/2"	PRT57	4.5	11.19	2.60	3.60	1.94	5.44	PRT57SA
2"	PRT67	6.5	13.19	3.17	4.17	2.44	6.38	PRT67SA
2-1/2"	PRT77	10.7	16.00	3.67	5.79	3.56	8.38	PRT77SA
3"	PRT87	15.4	16.06	4.42	5.79	3.56	8.38	PRT87SA
3-1/2"	PRT97	19.0	18.31	4.92	6.98	4.50	10.25	PRT97SA
4"	PRT107	21.0	18.31	5.42	6.98	4.50	10.25	PRT107SA

PLASTI-BOND REDH₂O_T CONDUIT BODIES

CONDUIT BODIES AND COVERS FOR GENERAL SERVICE LOCATIONS



PRBUB3

PRBG48 Cover (cover sold separately)

Mogul Style Conduit Bodies Specifications

APPLICATION

PLASTI-BOND REDH₂O_T mogul style conduit bodies are offered in numerous configurations to provide a complete coated conduit system. Mogul BG Covers are sold separately. Mogul style fitting bodies have long openings and may be used to make bends in conduit runs, for pull outlets for stiff conductors, to provide additional room for taps or splices, etc.. Electrical continuity of the conduit system is maintained across assembled joints.

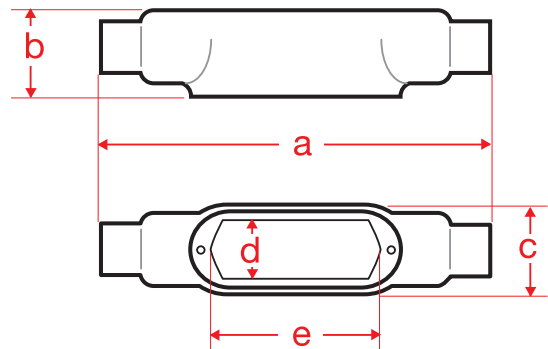
FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 8 trade sizes from 1" through 4"
- Sealing sleeves on all conduit openings
- Molded-in seal between bodies and covers
- Large cover openings provide ample room

COMPLIANCES

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

Conduit Bodies – Mogul Technical Data



BC

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1"	PRBC3	3.2	7.31	1.92	2.27	1.88	6	PRBC3SA
1-1/4"	PRBC4	4.2	8.50	2.35	2.27	1.88	6	PRBC4SA
1-1/2"	PRBC5	6.0	10.38	2.60	3.08	2.63	10	PRBC5SA
2"	PRBC6	7.0	12.25	3.17	3.08	2.63	10	PRBC6SA
2-1/2"	PRBC7	13.8	15.63	3.67	4.33	3.81	15	PRBC7SA
3"	PRBC8	17.5	15.63	4.42	4.33	3.81	15	PRBC8SA
3-1/2"	PRBC9	25.0	18.75	4.92	5.33	4.75	20	PRBC9SA
4"	PRBC10	28.0	18.75	5.42	5.33	4.75	20	PRBC10SA

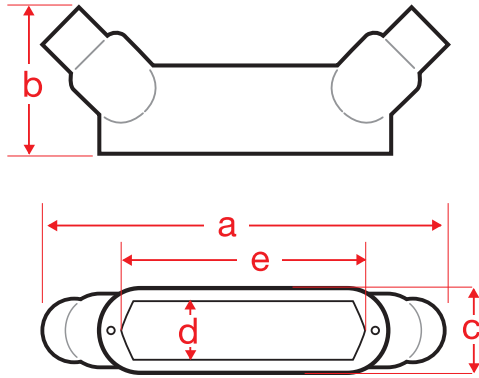
(cover sold separately)

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

CONDUIT BODIES AND COVERS FOR GENERAL SERVICE LOCATIONS

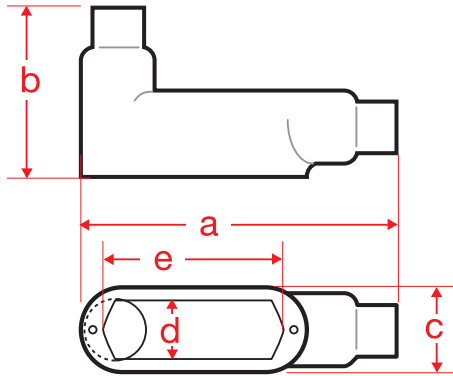
Mogul Style Conduit Bodies - Technical Data



BUB

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1"	PRBUB3	3.2	10.19	2.73	2.27	1.88	6	PRBUB3SA
1-1/4"	PRBUB4	4.0	11.06	3.23	2.27	1.88	6	PRBUB4SA
1-1/2"	PRBUB5	5.9	15.00	3.54	3.08	2.63	10	PRBUB5SA
2"	PRBUB6	7.8	15.50	4.17	3.08	2.63	10	PRBUB6SA
2-1/2"	PRBUB7	12.5	19.75	4.85	4.33	3.81	15	PRBUB7SA
3"	PRBUB8	17.0	19.88	5.67	4.33	3.81	15	PRBUB8SA
3-1/2"	PRBUB9	25.0	25.38	6.42	5.33	4.75	20	PRBUB9SA
4"	PRBUB10	28.0	25.25	6.85	5.33	4.75	20	PRBUB10SA

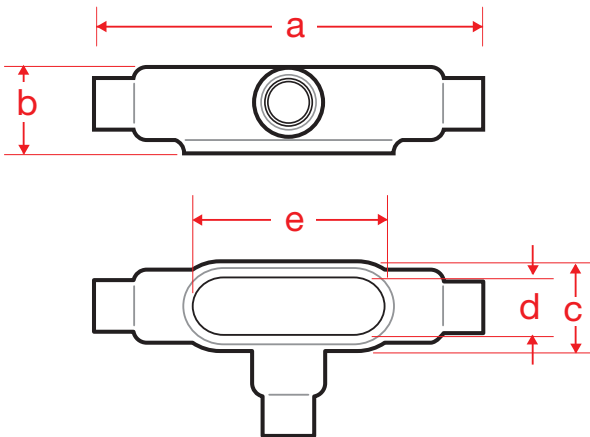
(cover sold separately)



BLB

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1"	PRBLB3	3.2	9.63	2.88	2.27	1.88	6	PRBLB3SA
1-1/4"	PRBLB4	4.2	9.88	3.32	2.27	1.88	6	PRBLB4SA
1-1/2"	PRBLB5	6.0	14.23	3.67	3.08	2.63	10	PRBLB5SA
2"	PRBLB6	7.0	14.73	4.23	3.08	2.63	10	PRBLB6SA
2-1/2"	PRBLB7	13.8	18.95	5.13	4.33	3.81	15	PRBLB7SA
3"	PRBLB8	17.5	18.95	5.88	4.33	3.81	15	PRBLB8SA
3-1/2"	PRBLB9	25.0	24.17	6.54	5.33	4.75	20	PRBLB9SA
4"	PRBLB10	28.0	24.17	7.04	5.33	4.75	20	PRBLB10SA

(cover sold separately)



BT

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	E	ALUMINUM CATALOG #
1"	PRBT3	3.2	11.56	1.92	4.20	1.88	6	PRBT3SA
1-1/4"	PRBT4	3.6	12.06	2.35	4.45	1.88	6	PRBT4SA
1-1/2"	PRBT5	7.5	16.75	2.60	5.60	2.63	10	PRBT5SA
2"	PRBT6	9.0	17.75	3.17	6.10	2.63	10	PRBT6SA
2-1/2"	PRBT7	15.0	22.38	3.67	7.63	3.81	15	PRBT7SA
3"	PRBT8	19.0	22.38	4.42	7.76	3.81	15	PRBT8SA
3-1/2"	PRBT9	29.0	27.75	4.92	8.92	4.75	20	PRBT9SA
4"	PRBT10	32.0	27.75	5.42	8.92	4.75	20	PRBT10SA

(cover sold separately)

BG COVERS (body sold separately)

FERROUS CATALOG #	Description	Nominal Weight	ALUMINUM CATALOG #
PRBG48	1 - 1 1/4 BG COVER MOGUL	2.5	PRBG48SA
PRBG68	1 1/2 - 2 BG COVER MOGUL	3.2	PRBG68SA
PRBG88	2 1/2 - 3 BG COVER MOGUL	6.4	PRBG88SA
PRBG98	3 1/2 - 4 BG COVER MOGUL	9.8	PRBG98SA

FS/FD Series Specifications

APPLICATION

PLASTI-BOND REDH₂OT device boxes and covers are available in several configurations and may be used in coated conduit systems to accommodate wiring devices, to serve as pull boxes for conductors, or to allow for splices and taps in conductors. Covers are available separately. Electrical continuity of the conduit system is maintained across assembled joints.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 3 trade sizes from 1/2" through 1"
- Available in Standard (PRFS) and Deep (PRFD) Styles
- Internal green grounding screw is standard
- Sealing sleeves on all conduit openings
- Flat molded PVC gasket mates with all standard covers

COMPLIANCES

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18



REDH₂OT PRODUCT FLASH

Five “Extra” Touches in the Battle Against Corrosion.

- 1.) The special PVC formulation for Plasti-Bond REDH₂OT includes Ultraviolet Light (UV) inhibitors. Laboratory tests, exposure testing, and actual service all support the fact that we have never had a UV-related failure of PVC in more than 30 years!
- 2.) Plasti-Bond REDH₂OT's PVC sealing sleeves are sized so they fit tightly over the coated conduit when assembled. This keeps corrosive elements away from the threaded joints.
- 3.) All Form 8 conduit cover screws are made from stainless steel with a plastic encapsulated head...yet another way of providing maximum corrosion protection by providing a seal around the screw opening.
- 4.) Plasti-Bond REDH₂OT fittings provide gasket seals to keep corrosives from getting into the conduit system through joints and openings, protecting the interior of the system from corrosion.
- 5.) As experts in anti-corrosion coating technology, we have the ability to custom coat a variety of electrical and related products in addition to those listed in this Buyer's Guide. For additional details consult your Plasti-Bond sales rep or contact the factory direct at 903-843-5591.

APPROVAL STAMP

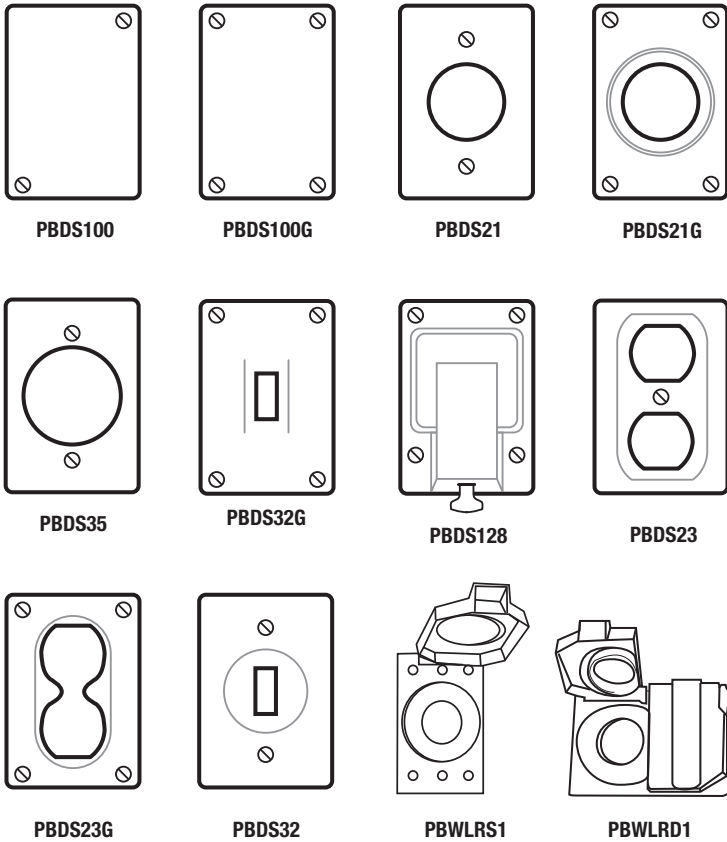
(See online product submittal guide at www.plastibond.com)

FS/FD Series Technical Data and Covers
continued on following pages...

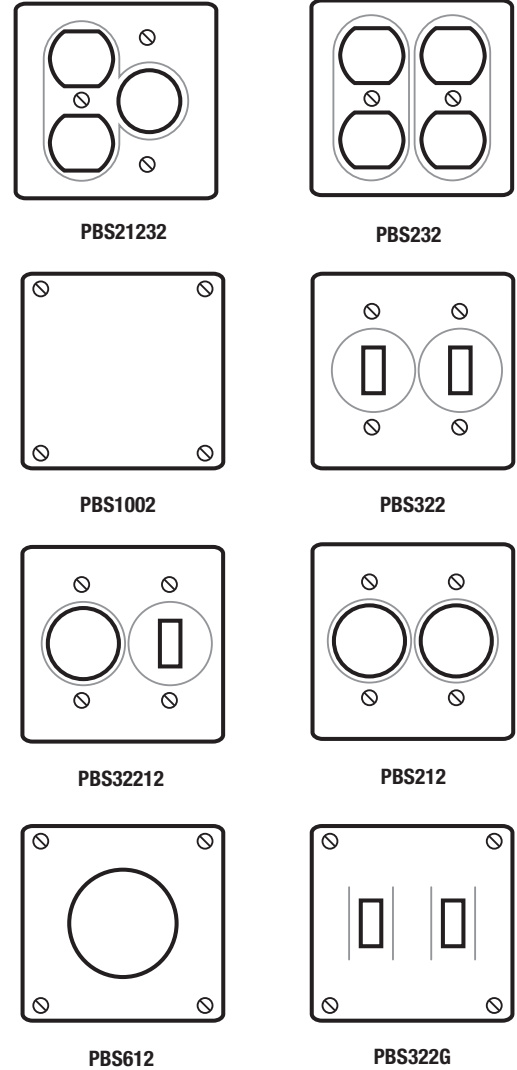
PLASTI-BOND REDH₂O^T CAST DEVICE BOXES AND COVERS

DEVICE BOX COVERS

FS/FD Single Gang Cover Configurations



FS/FD 2 Gang Cover Configurations



FERROUS COVERS - ONE GANG

CATALOG #	Description	Nominal Weight
PBDS32	GENERAL USE SNAP ON OR TOGGLE (S)	0.4
PBDS23G	DUPLEX CONVENIENCE RECEPTACLE (S,F)	0.4
PBDS35	PLUG RECEPTACLE 1 5/8" DIAMETER (S)	0.4
PBDS21	3P 2W GROUNDING ROUND FLUSH RECEPTACLES (S)	0.3
PBDS21G	3P 2W GROUNDING ROUND FLUSH RECEPTACLES (S,F)	0.3
PBDS23	DUPLEX CONVENIENCE RECEPTACLE (S)	0.3
PBDS32G	SQUARE HANDLE SNAP OR TOGGLE (S, F)	0.4

ALUMINUM COVERS - ONE GANG

CATALOG #	Description	Nominal Weight
PBDS23SA	DUPLEX CONVENIENCE RECEPTACLE (S)	0.1
PBDS100	BLANK COVER (S)	0.1
PBDS128	SNAP SWITCH	0.5
PBDS100G	BLANK COVER CAST (S,F)	0.3
PBWLRD1	SPRING DOOR DUPLEX COVER 1 3/8" (F)	0.4
PBWLR1	SPRING DOOR SINGLE COVER 1 3/8" (F)	0.3
PBWLR2	SPRING DOOR SINGLE COVER 1 1/2" (F)	0.3
PBWLGF-FS	SPRING DOOR COVER FOR GFCI (S)	0.5
PBWLGF	SPRING DOOR COVER FOR GFCI (F)	0.5

FERROUS COVERS - TWO GANG

CATALOG #	Description	Nominal Weight
PBS1002	BLANK COVER SHEET STEEL (S)	1.0
PBS1002G	BLANK COVER IRON ALLOY (S,F)	1.0
PBS21232	ROUND RECEPTACLE + DUPLEX CONVENIENCE	1.2
PBS232	DUPLEX CONVENIENCE (S)	1.2
PBS322	SNAP SWITCH (S)	1.0
PBS32212	ROUND RECEPTACLE + SNAP SWITCH (S)	1.2
PBS212	TWO ROUND RECEPTACLES (S)	2.0
PBS612	20 AMP, 250 VOLT RECEPTACLE (S)	1.2
PBS322G	SNAP SWITCHES IRON ALLOY (S,F)	1.2

FERROUS COVERS - THREE GANG

CATALOG #	Description	Nominal Weight
PBS323	COVER SERVICE (F)	.3

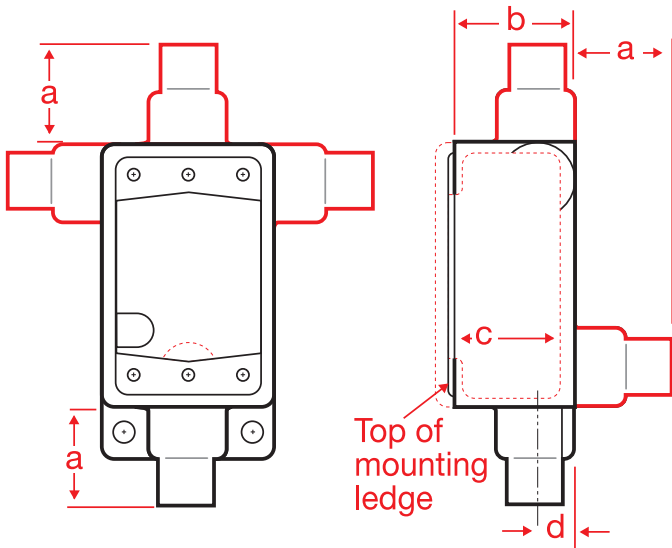
NOTE: (S) SURFACE MOUNT, (F) FLUSH MOUNT

PLASTI-BOND REDH₂O^T CAST DEVICE BOXES

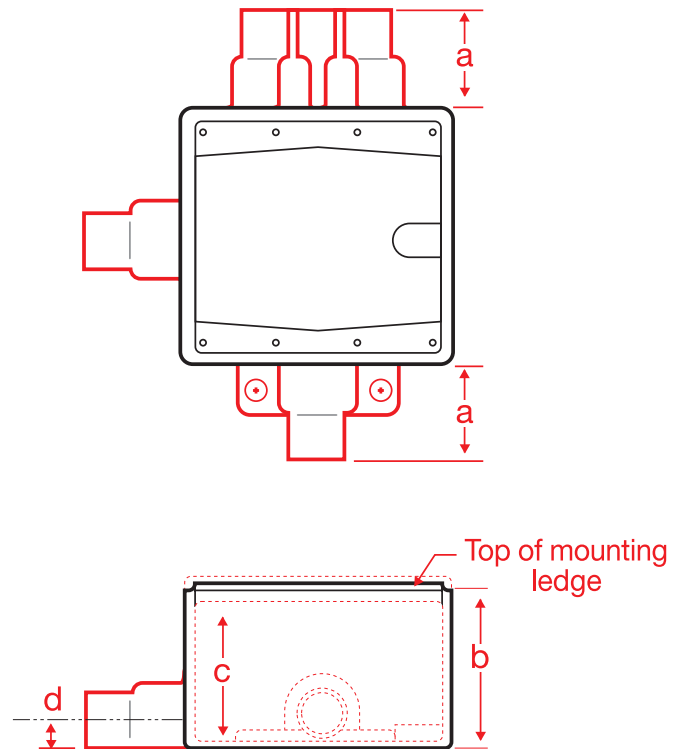
CAST DEVICE BOXES

FS/FD Series Dimensions

FS/FD Single Gang Dimensional Drawings

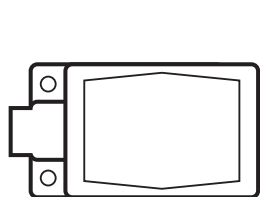


FS/FD 2 Gang Dimensional Drawings

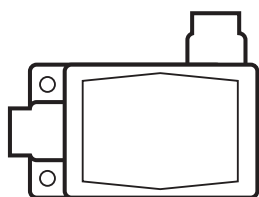


FS/FD Series Configurations

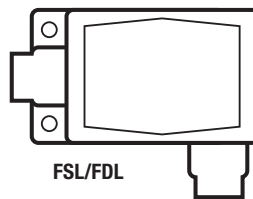
All configurations offered in both 'FS' or 'FD' box depths. FS prefix: Shallow configuration, FD prefix: Deep configuration



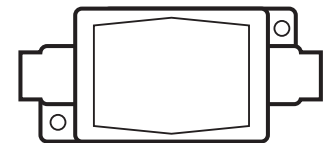
FS/FD
(Single Gang)



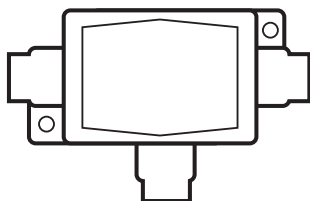
FSR/FDR



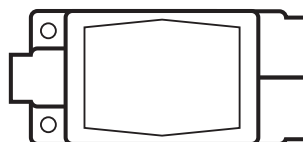
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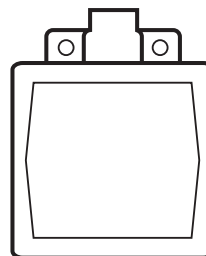
FSC/FDC



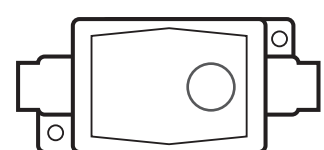
FSCT/FDCT



FSCC/FDCC



FS/FD
(Two Gang)



FSCA

PLASTI-BOND REDH₂O^T CAST DEVICE BOXES

CAST DEVICE BOXES

FS/FD Series Technical Data

FS SERIES (SHALLOW BOX) – SINGLE GANG DEAD END

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFS1	3.2	1.38	1.92	1.69	0.67	PRFS1SA
3/4"	PRFS2	3.3	1.63	1.92	1.69	0.79	PRFS2SA
1"	PRFS3	3.5	2.00	1.92	1.69	0.92	–

FS SERIES (SHALLOW BOX) – TWO GANG DEAD END

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFS12	3.3	1.38	1.92	1.69	0.67	PRFS12SA
3/4"	PRFS22	3.4	1.63	1.92	1.69	0.79	PRFS22SA
1"	PRFS32	3.6	2.00	1.92	1.69	0.92	–

FD SERIES (DEEP BOX) – SINGLE GANG DEAD END

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFD1	2.7	1.38	1.92	2.69	.67	PRFD1SA
3/4"	PRFD2	2.8	1.63	1.92	2.69	0.79	PRFD2SA
1"	PRFD3	3.1	2.00	1.92	2.69	0.92	PRFD3SA

FD SERIES (DEEP BOX) – TWO GANG

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
3/4"	PRFD22	3.3	1.163	1.92	2.69	0.79	–

FDL SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFDL1	3.1	1.38	1.92	2.69	0.67
3/4"	PRFDL2	3.3	1.63	1.92	2.69	0.79

FDR SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFDR1	3.2	1.38	1.92	2.69	0.67
3/4"	PRFDR2	3.3	1.63	1.92	2.69	0.79

FSCA SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFSCA1	2.5	1.38	1.92	1.69	0.67
3/4"	PRFSCA2	3.5	1.63	1.92	1.69	0.79

FSCT SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFSCT1	2.2	1.38	1.92	1.69	0.67
3/4"	PRFSCT2	2.5	1.63	1.92	1.69	0.79
1"	PRFSCT3	2.8	2.00	1.92	1.69	0.79

FSC SERIES (SHALLOW BOX) – SINGLE GANG THROUGH FEED

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFSC1	2.2	1.38	1.92	1.69	0.67	PRFSC1SA
3/4"	PRFSC2	2.4	1.63	1.92	1.69	0.79	PRFSC2SA
1"	PRFSC3	2.7	2.00	1.92	1.69	0.92	–

FSCG SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFSCC1	2.0	1.38	1.92	1.69	0.67
3/4"	PRFSCC2	2.2	1.63	1.92	1.69	0.79

FSC SERIES (SHALLOW BOX) – TWO GANG THROUGH FEED

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFSC12	3.3	1.38	1.92	1.69	0.67	–
3/4"	PRFSC222	3.6	1.63	1.92	1.69	0.79	–
1"	PRFSC32	4.0	2.00	1.92	1.69	0.92	–

FDC SERIES (DEEP BOX) – SINGLE GANG THROUGH FEED

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D	ALUMINUM CATALOG #
1/2"	PRFDC1	2.7	1.38	1.92	2.69	0.67	PRFDC1SA
3/4"	PRFDC2	2.8	1.63	1.92	2.69	0.79	PRFDC2SA
1"	PRFDC3	3.1	2.00	1.92	2.69	0.92	PRFDC3SA

FSD SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D	Bottom Hubs
3/4"	PRFSD212	2.5	1.63	1.92	1.69	.79	1/2"

FSL SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFSL1	2.5	1.38	1.92	1.69	0.67
3/4"	PRFSL2	2.7	1.63	1.92	1.69	0.79

FSR SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFSR1	2.0	1.38	1.92	1.69	0.67
3/4"	PRFSR2	2.2	1.63	1.92	1.69	0.79

FDCT SERIES

Pipe Size	CATALOG #	Nominal Weight	A	B	C	D
1/2"	PRFDCT1	3.1	1.38	1.92	2.69	0.67
3/4"	PRFDCT2	3.4	1.63	1.92	2.69	0.79
1"	PRFDCT3	3.9	2.00	1.92	2.69	0.92

PLASTI-BOND REDH₂OT GUA SERIES OUTLET BOXES

CONDUIT OUTLET BOXES FOR HAZARDOUS LOCATIONS



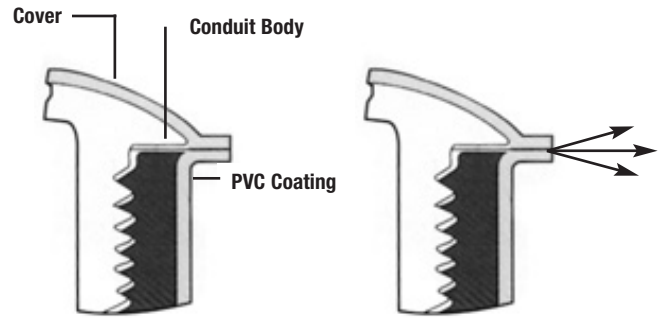
PRGUAT26

GUA Series Specifications

PLASTI-BOND REDH₂OT GUA series conduit outlet boxes are installed in hazardous location conduit systems to serve as pull and splice boxes, to change the direction of a conduit run, to connect runs of conduit, or to provide access to conductors. They are provided with covers as standard. Inquire about special covers to allow use to mount lighting fixtures or as sealing fittings. Electrical continuity of the conduit system is maintained across assembled joints.

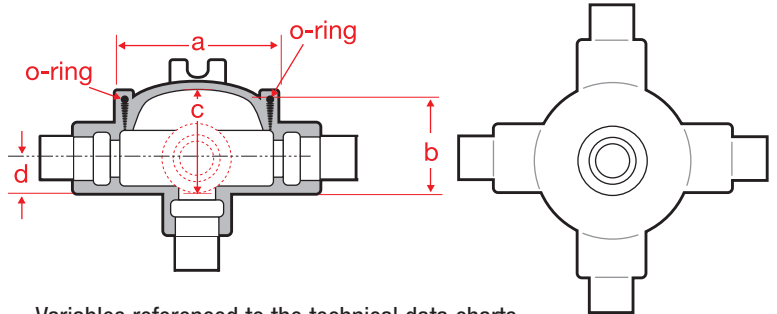
- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- Trade sizes from 1/2" through 2" in various styles and configurations
- Sealing sleeves on all conduit openings
- Neoprene O-ring is standard
- Molded-in PVC seal preserves venting characteristics of fitting but seals out corrosives
- Standard material is a cast iron alloy body with a copper-free aluminum cover. Consult Factory for availability of cast iron covers
- Internal green grounding screw is standard

- National Electrical Code:
 - Class I, Groups C, D
 - Class II, Groups E, F, G
 - Class III
- UL Standard 886
- ANSI Standard C-33.27
- CSA Standard: C22.2 No. 30
- NEMA/EEMAC 3,4



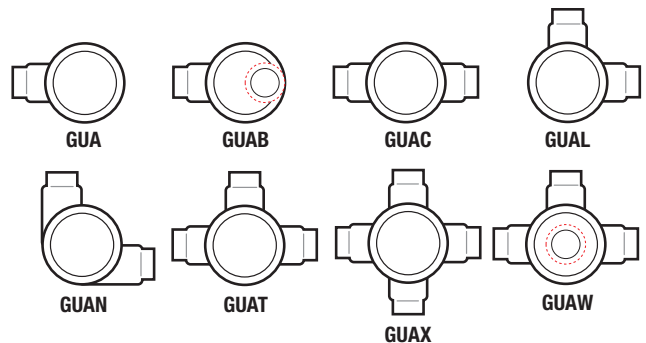
An integral PVC gasket on GUA type fittings preserves the venting characteristics of the uncoated fitting but prevents corrosive liquids from entering from the outside.

GUA Series Dimensions



Variables referenced to the technical data charts

GUA Series Configurations



APPLICATION

FEATURES

COMPLIANCES

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

CONDUIT OUTLET BOXES FOR HAZARDOUS LOCATIONS

GUA Series Technical Data

GUAB

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	ALUMINUM CATALOG #	Product Dimensions			
					A	B	C	D
1/2"	PRGUAB14	2"	2.0	—	2.58	2.29	2.38	0.67
1/2"	PRGUAB16	3"	3.2	PRGUAB16SA	3.58	2.04	1.88	0.67
3/4"	PRGUAB24	2"	2.2	—	2.58	2.54	2.44	0.79
3/4"	PRGUAB26	3"	3.3	PRGUAB26SA	3.58	2.04	1.88	0.79
1"	PRGUAB36	3"	3.8	PRGUAB36SA	3.58	2.35	2.19	0.92
1-1/4"	PRGUAB47	3-5/8"	5.0	PRGUAB47SA	4.33	2.73	2.75	1.13
1-1/2"	PRGUAB59	5"	8.1	PRGUAB59SA	5.83	3.85	3.75	1.32
2"	PRGUAB69	5"	9.1	PRGUAB69SA	5.83	4.10	4.00	1.60

GUAC

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	ALUMINUM CATALOG #	Product Dimensions			
					A	B	C	D
1/2"	PRGUAC14	2"	3.5	—	2.58	2.29	2.19	0.67
1/2"	PRGUAC16	3"	2.0	PRGUAC16SA	3.58	2.04	1.88	0.67
3/4"	PRGUAC24	2"	3.5	PRGUAC24SA	2.58	2.04	2.00	0.79
3/4"	PRGUAC26	3"	2.0	PRGUAC26SA	3.58	2.04	1.88	0.79
1"	PRGUAC36	3"	3.9	PRGUAC36SA	3.58	2.35	2.19	0.92
1-1/4"	PRGUAC47	3-5/8"	5.2	PRGUAC47SA	4.33	2.73	2.75	1.13
1-1/4"	PRGUAC49	5"	9.5	—	5.83	3.85	3.75	1.20
1-1/2"	PRGUAC59	5"	11.0	PRGUAC59SA	5.83	3.85	3.75	1.32
2"	PRGUAC69	5"	11.0	PRGUAC69SA	5.83	4.10	4.00	1.60

GUAL

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	ALUMINUM CATALOG #	Product Dimensions			
					A	B	C	D
1/2"	PRGUAL14	2"	2.0	—	2.58	2.29	2.19	0.67
1/2"	PRGUAL16	3"	2.1	PRGUAL16SA	3.58	2.04	1.88	0.67
3/4"	PRGUAL24	2"	3.2	PRGUAL24SA	2.58	2.54	2.44	0.79
3/4"	PRGUAL26	3"	2.5	PRGUAL26SA	3.58	2.04	1.88	0.79
1"	PRGUAL36	3"	3.7	PRGUAL36SA	3.58	2.35	2.19	0.92
1-1/4"	PRGUAL47	3-5/8"	5.2	PRGUAL47SA	4.33	2.73	2.75	1.13
1-1/4"	PRGUAL49	5"	8.5	—	5.83	3.85	3.75	1.20
1-1/2"	PRGUAL59	5"	11.2	PRGUAL59SA	5.83	3.85	3.75	1.32
2"	PRGUAL69	5"	12.5	PRGUAL69SA	5.83	4.10	4.00	1.60

GUAN

Pipe Size	CATALOG #	Cover Opening	Nominal Weight	Product Dimensions			
				A	B	C	D
1/2"	PRGUAN14	2"	2.0	2.58	2.17	2.06	0.67
1/2"	PRGUAN16	3"	3.8	3.58	2.04	1.88	0.79
3/4"	PRGUAN24	2"	2.5	2.58	2.35	2.25	0.79
3/4"	PRGUAN26	3"	3.5	3.58	2.04	1.88	0.79
1"	PRGUAN36	3"	3.0	3.58	2.35	2.38	0.92
1-1/4"	PRGUAN47	3-5/8"	5.2	4.33	2.73	2.75	1.13
1-1/2"	PRGUAN59	5"	9.5	5.83	4.10	4.00	1.32
2"	PRGUAN69	5"	12.0	5.83	4.10	4.00	1.60

GUAT

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	ALUMINUM CATALOG #	Product Dimensions			
					A	B	C	D
1/2"	PRGUAT14	2"	2.0	—	2.58	2.29	2.19	0.67
1/2"	PRGUAT16	3"	2.8	PRGUAT16SA	3.58	2.04	1.88	0.67
3/4"	PRGUAT24	2"	2.2	—	2.58	2.04	2.00	0.79
3/4"	PRGUAT26	3"	3.5	PRGUAT26SA	3.58	2.04	1.88	0.79
1"	PRGUAT36	3"	3.2	PRGUAT36SA	3.58	2.35	2.19	0.92
1-1/4"	PRGUAT47	3-5/8"	5.7	PRGUAT47SA	4.33	2.73	2.75	1.13
1-1/2"	PRGUAT59	5"	9.1	PRGUAT59SA	5.83	3.85	3.75	1.32
2"	PRGUAT69	5"	10.0	PRGUAT69SA	5.83	4.10	4.00	1.60

GUAW

Pipe Size	CATALOG #	Cover Opening	Nominal Weight	Product Dimensions			
				A	B	C	D
1/2"	PRGUAW14	2"	2.0	2.58	1.85	1.75	0.67
1/2"	PRGUAW16	3"	2.0	3.58	2.04	1.88	0.67
3/4"	PRGUAW24	2"	3.0	2.58	2.04	2.00	0.79
3/4"	PRGUAW26	3"	3.0	3.58	2.04	1.88	0.79

GUAX

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	ALUMINUM CATALOG #	Product Dimensions			
					A	B	C	D
1/2"	PRGUAX14	2"	2.0	—	2.58	1.85	1.75	0.67
1/2"	PRGUAX16	3"	3.8	PRGUAX16SA	3.58	2.04	1.88	0.67
3/4"	PRGUAX24	2"	2.5	PRGUAX24SA	2.58	2.04	2.00	0.79
3/4"	PRGUAX26	3"	2.8	PRGUAX26SA	3.58	2.04	1.88	0.79
1"	PRGUAX36	3"	4.2	PRGUAX36SA	3.58	2.35	2.19	0.92
1-1/4"	PRGUAX47	3-5/8"	4.8	PRGUAX47SA	4.33	2.73	2.75	1.13
1-1/2"	PRGUAX59	5"	11.7	PRGUAX59SA	5.83	3.85	3.75	1.32
2"	PRGUAX69	5"	12.5	PRGUAX69SA	5.83	4.10	4.00	1.60

GUAD

Pipe Size	FERROUS CATALOG #	Cover Opening	Nominal Weight	Product Dimensions			
				A	B	C	D
1/2"	PRGUAD14	2"	2.0	2.58	1.85	1.75	0.67
1/2"	PRGUAD16	3"	3.2	3.58	2.04	1.88	0.67
3/4"	PRGUAD24	2"	3.5	2.58	2.04	2.00	0.79
3/4"	PRGUAD26	3"	3.8	3.58	2.04	1.88	0.79
1"	PRGUAD36	3"	3.8	3.58	2.35	2.19	0.92
1-1/4"	PRGUAD49	5"	10.9	5.83	3.85	3.75	1.13

PLASTI-BOND REDH₂OT OE SERIES OUTLET BOXES

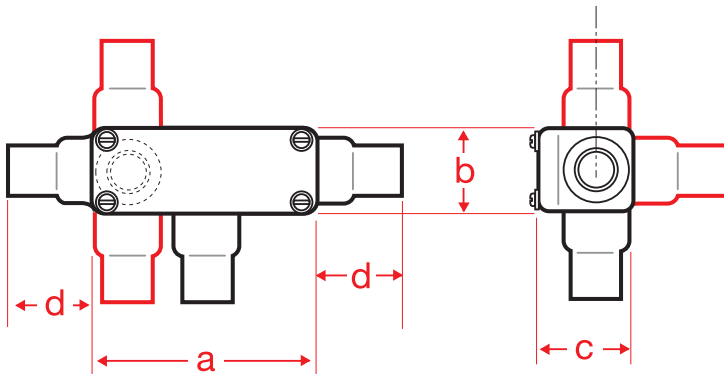
CONDUIT OUTLET BOXES FOR HAZARDOUS LOCATIONS



PROELB1

OE Series Specifications

OE Series Dimensions



OE Series Technical Data

OELB OUTLET BOXES

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D
1/2"	PROELB1	2.2	4.14	1.64	1.89	1.19
3/4"	PROELB2	3.0	4.39	1.96	2.14	1.44

OET OUTLET BOXES

Pipe Size	FERROUS CATALOG #	Nominal Weight	A	B	C	D
1/2"	PROET1	2.2	4.14	1.64	2.31	1.19
3/4"	PROET2	3.0	4.39	1.96	2.81	1.44

APPLICATION

PLASTI-BOND REDH₂OT OE Series Conduit Outlet Boxes are installed in hazardous location conduit systems to serve as pulling and splicing fittings, to connect runs of conduit, to change the direction of a conduit run, or to provide access to conductors. They are provided with covers. Electrical continuity of the conduit system is maintained across assembled joints.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- Available in 1/2" or 3/4" trade sizes
- Molded in PVC cover to body gasket seals corrosives out
- Sealing sleeves on all conduit openings
- Compact design saves space
- Encapsulated stainless steel cover screws

COMPLIANCES

- National Electrical Code:
Class I, Groups C, D
Class II, Groups E, F, G
Class III
- UL Standard 886
- ANSI Standard C33.27
- CSA Standard: C22.2 No. 30

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂OT SEALING FITTINGS

SEALING FITTINGS



EYD 26



PREYS-26

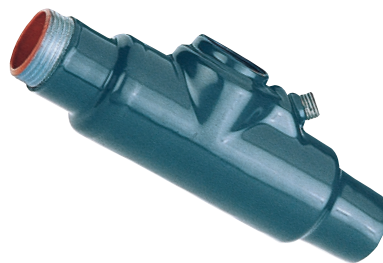


PREZS-26

These PLASTI-BOND REDH₂OT sealing fittings should be used with a suitable system of sealing compound, such as Chico A, Chico X or Chico A-P from Crouse-Hinds. Follow the installation instructions included with the sealing compound.

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)



PREYS-216

Sealing Fittings Specifications

APPLICATION

PLASTI-BOND REDH₂OT Sealing Fittings are used in conduit runs to stop gasses, vapors or flames from migrating from one part of the conduit system to another. This limits the spread of any potential explosion, enhancing safety. The PVC and urethane coatings of the fittings protect them from corrosive atmospheres so they can continue to function in hazardous locations. These fittings are available in several different configurations and with optional breathers and drains to accommodate installation in a variety of locations and positions. The EYD, EYDX and EZD styles of fittings are for installation in vertical conduit runs. The EYS and EYSX style fittings are for installation in either vertical or horizontal runs. The EZS style fitting may be used in any angle of conduit run.

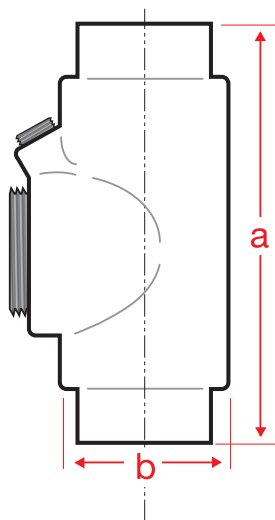
FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 10 trade sizes from 1/2" through 4"
- Sealing sleeves on all conduit openings
- EYDX and EYSX seals have 40% wire fill capacity
- EYD and EZD fittings include a drain for condensate
- EZD fittings may be used at any conduit angle and include drain

COMPLIANCES

- | | |
|--|---|
| <ul style="list-style-type: none"> • EYS-1-3, 11-31, 16-36, 116-316 • Class I, Divisions 1 & 2, Groups A, B, C, D • Class II, Division 1, Groups E, F, G • Class III, Division 2, Groups F & G | <ul style="list-style-type: none"> • EZS-1-8, 16-86 • EYSX-9-10 • EYD-1-10, 16-106 • EZD-10-60 • Class I, Division 1 & 2, Groups C, D • Class II, Division 1, Groups F, G • Class III, Division 2, Groups F, G |
| <ul style="list-style-type: none"> • EYS-41-101, 416-1016 • EYSX-11-81 • EYD-11-101, 116-1016 • EYDX-11-81 • Class I, Divisions 1 & 2, Groups B, C, D • Class II, Division 1, Groups E, F, G • Class III, Division 2, Groups F, G | <ul style="list-style-type: none"> • EYSX9-10 • Class I, Division 1 & 2, Groups C, D • Class II, Division 1, Groups E, F, G • Class III, Division 2, Groups F, G |
| <ul style="list-style-type: none"> • EYS-29, 4-014, 46-0146 | <ul style="list-style-type: none"> • UL Standard 886 • CSA Standard: C22.2 No.30 |

Sealing Fittings Technical Data



These PLASTI-BOND REDH₂O_T sealing fittings should be used with a suitable system of sealing compound, such as Chico A, Chico X or Chico A-P from Crouse-Hinds. Follow the installation instructions included with the sealing compound.

EYSX - EXPANDED FILL FEMALE HUBS FOR SEALING IN VERTICAL OR HORIZONTAL POSITIONS

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYSX11	1.5	4.69	1.58	1.25	PREYSX1SA
3/4"	PREYSX21	2.1	5.81	1.83	1.38	PREYSX2SA
1"	PREYSX31	2.7	7.06	2.27	1.72	PREYSX3SA
1-1/4"	PREYSX41	3.7	8.75	3.08	2.31	PREYSX4SA
1-1/2"	PREYSX51	4.7	9.25	3.08	2.31	PREYSX5SA
2"	PREYSX61	6.7	12.50	4.33	3.31	PREYSX6SA
2-1/2"	PREYSX71	7.7	13.19	4.83	3.44	PREYSX7SA
3"	PREYSX81	8.7	13.75	5.33	3.69	PREYSX8SA
3-1/2"	PREYSX9	9.7	15.06	6.58	4.59	PREYSX9SA
4"	PREYSX10	10.7	15.06	6.58	4.59	PREYSX10SA

EYS - FEMALE HUBS

FOR SEALING IN VERTICAL POSITIONS ONLY

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYS1	1.0	4.28	1.33	1.63	PREYS1SA
3/4"	PREYS2	1.5	5.25	1.58	1.91	PREYS2SA
1"	PREYS3	2.1	6.31	1.83	2.38	PREYS3SA

FOR SEALING IN VERTICAL OR HORIZONTAL POSITIONS

1-1/4"	PREYS4	2.7	7.56	2.27	1.72	PREYS4SA
1-1/2"	PREYS5	3.7	8.50	2.52	2.06	PREYS5SA
2"	PREYS6	4.7	10.25	3.08	2.31	PREYS6SA
2-1/2"	PREYS7	10.0	11.50	3.58	2.69	PREYS7SA
3"	PREYS8	11.2	12.50	4.33	3.31	PREYS8SA
3-1/2"	PREYS9	14.5	13.19	4.83	3.44	PREYS9SA
4"	PREYS10	16.0	13.75	5.33	3.69	PREYS10SA

EYS - MALE/FEMALE HUBS

FOR SEALING IN VERTICAL POSITIONS ONLY

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYS16	1.5	4.78	1.33	1.63	PREYS16SA
3/4"	PREYS26	1.5	5.25	1.58	1.91	PREYS26SA
1"	PREYS36	2.3	6.31	1.83	2.38	PREYS36SA

EYS - FEMALE HUBS

FOR SEALING IN VERTICAL OR HORIZONTAL POSITIONS

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYS11	1.3	4.69	1.33	1.16	PREYS11SA
3/4"	PREYS21	1.1	5.19	1.58	1.25	PREYS21SA
1"	PREYS31	2.2	6.31	1.83	1.38	PREYS31SA
1-1/4"	PREYS41	3.0	7.56	2.27	1.72	PREYS41SA
1-1/2"	PREYS51	3.8	8.50	2.52	2.06	PREYS51SA
2"	PREYS61	5.5	10.25	3.08	2.31	PREYS61SA

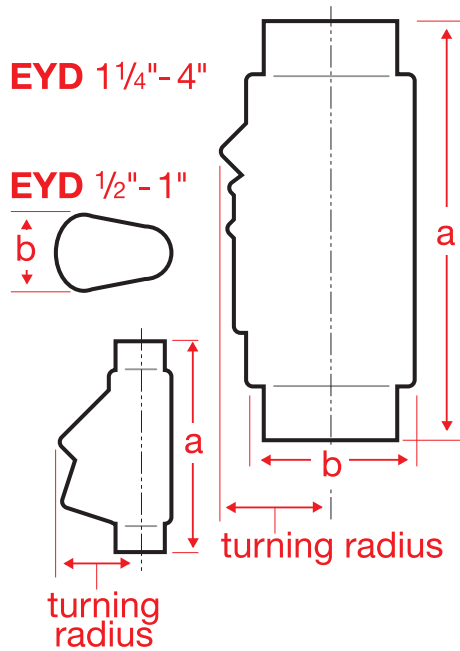
EYS - MALE/FEMALE HUBS FOR SEALING IN VERTICAL OR HORIZONTAL POSITIONS

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYS116	1.5	5.19	1.33	1.16	PREYS116SA
3/4"	PREYS216	1.2	5.19	1.58	1.25	PREYS216SA
1"	PREYS316	2.6	6.31	1.83	1.38	PREYS316SA
1-1/4"	PREYS46	2.8	7.56	2.27	1.72	PREYS46SA
1-1/2"	PREYS56	3.7	8.50	2.52	2.06	PREYS56SA
2"	PREYS66	5.6	10.25	3.08	2.31	PREYS66SA
2-1/2"	PREYS76	13.2	11.50	3.58	2.69	PREYS76SA
3"	PREYS86	11.2	12.50	4.33	3.31	PREYS86SA
3-1/2"	PREYS96	14.5	13.19	4.83	3.44	PREYS96SA
4"	PREYS106	1.5	13.75	5.33	3.69	PREYS96SA

Sealing Fittings continued on following pages...

Sealing Fittings Technical Data

These PLASTI-BOND REDH₂OT sealing fittings should be used with a suitable system of sealing compound, such as Chico A, Chico X or Chico A-P from Crouse-Hinds. Follow the installation instructions included with the sealing compound.



EYD - FEMALE HUBS WITH DRAIN.

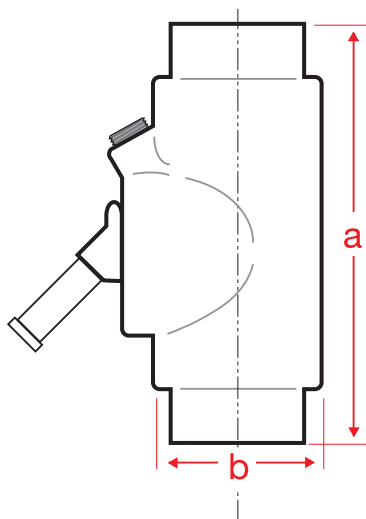
FOR SEALING IN VERTICAL POSITIONS ONLY.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYD1	1.4	4.28	1.58	1.63	PREYD1SA
3/4"	PREYD2	1.7	5.19	1.83	1.91	PREYD2SA
1"	PREYD3	2.3	6.31	2.27	2.38	PREYD3SA
1-1/4"	PREYD4	2.5	7.56	2.27	1.84	PREYD4SA
1-1/2"	PREYD5	4.0	8.50	2.52	2.06	PREYD5SA
2"	PREYD6	4.7	10.25	3.08	2.31	PREYD6SA
2-1/2"	PREYD7	9.0	11.50	3.58	2.69	PREYD7SA
3"	PREYD8	10.2	12.50	4.33	3.31	PREYD8SA
3-1/2"	PREYD9	10.5	13.19	4.83	3.44	PREYD9SA
4"	PREYD10	4.0	13.75	5.33	3.50	PREYD10SA

EYD - MALE/FEMALE HUBS WITH DRAIN.

FOR SEALING IN VERTICAL POSITIONS ONLY.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYD16	2.7	4.28	1.58	1.63	PREYD16SA
3/4"	PREYD26	2.8	5.19	1.83	1.91	PREYD26SA
1"	PREYD36	2.9	6.31	2.27	2.38	PREYD36SA
1-1/4"	PREYD46	2.6	7.56	2.27	1.84	PREYD46SA
1-1/2"	PREYD56	3.7	8.50	2.52	2.06	PREYD56SA
2"	PREYD66	5.2	10.25	3.08	2.31	PREYD66SA
2-1/2"	PREYD76	9.5	11.50	3.58	2.69	PREYD76SA
3"	PREYD86	11.3	12.50	4.33	3.31	PREYD86SA
3-1/2"	PREYD96	12.5	13.19	4.83	3.44	PREYD96SA
4"	PREYD106	16.7	13.75	5.33	3.50	PREYD106SA



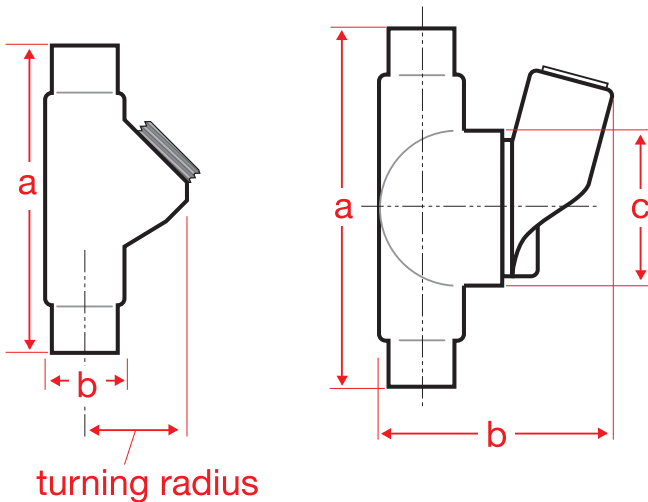
EYDX - EXPANDED FILL FEMALE HUBS WITH DRAIN.

FOR SEALING IN VERTICAL POSITIONS ONLY.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	Turning Radius	Aluminum Catalog #
1/2"	PREYDX11	1.7	4.69	1.83	1.91	PREYDX1SA
3/4"	PREYDX21	2.3	5.81	2.27	2.38	PREYDX2SA
1"	PREYDX31	2.5	7.06	2.27	1.84	PREYDX3SA
1-1/4"	PREYDX41	4.0	8.75	3.08	2.31	PREYDX4SA
1-1/2"	PREYDX51	4.7	9.25	3.08	2.31	PREYDX5SA
2"	PREYDX61	9.0	12.50	4.33	3.31	PREYDX6SA
2-1/2"	PREYDX71	10.2	13.19	4.83	3.44	PREYDX7SA
3"	PREYDX81	10.5	13.75	5.33	3.50	PREYDX8SA

Sealing Fittings Technical Data

These PLASTI-BOND REDH₂O_T sealing fittings should be used with a suitable system of sealing compound, such as Chico A, Chico X or Chico A-P from Crouse-Hinds. Follow the installation instructions included with the sealing compound.



EZZ- FEMALE HUBS.

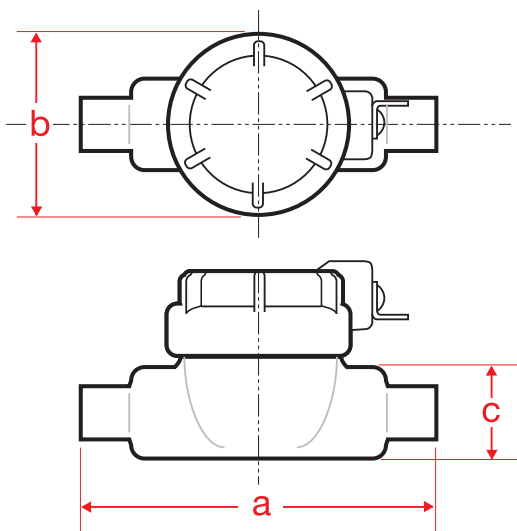
FOR SEALING IN ANY POSITION.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	C	Turning Radius
1/2"	PREZS1	2.0	5.19	3.71	2.58	1.88
3/4"	PREZS2	2.3	5.19	3.71	2.58	1.88
1"	PREZS3	2.7	5.94	4.05	3.08	2.13
1-1/4"	PREZS4	3.5	6.06	4.49	3.08	2.31
1-1/2"	PREZS5	4.0	6.19	4.64	3.33	2.34
2"	PREZS6	8.2	11.06	5.49	5.27	3.28
2-1/2"	PREZS7	8.5	11.94	5.92	5.27	3.38
3"	PREZS8	9.0	12.63	6.58	5.96	3.88

EZZ- MALE/FEMALE HUBS WITH DRAIN.

FOR SEALING IN ANY POSITION.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	C	Turning Radius
1/2"	PREZS16	2.0	5.19	3.71	2.58	1.88
3/4"	PREZS26	2.4	5.69	3.71	2.58	1.88
1"	PREZS36	3.0	6.94	4.05	3.08	2.13
1-1/4"	PREZS46	4.0	7.56	4.49	3.08	2.31
1-1/2"	PREZS56	4.6	8.19	4.64	3.33	2.34
2"	PREZS66	6.9	11.06	5.49	5.27	3.28
2-1/2"	PREZS76	9.2	11.94	5.92	5.27	3.38
3"	PREZS86	8.7	12.63	6.58	5.96	3.88



EZZ- FEMALE HUBS

WITH DRAIN AND INSPECTION COVER.

Pipe Size	FERROUS Catalog #	Nominal Weight	A	B	C	Turning Radius
1/2"	PREZD111		5.19	3.08	3.46	2.06
3/4"	PREZD211		5.69	3.08	3.71	2.19
1"	PREZD311		6.94	3.58	3.96	2.44
1-1/4"	PREZD411		7.44	3.58	4.39	2.63
1-1/2"	PREZD511		8.19	3.58	4.64	2.69
2"	PREZD611		11.13	5.64	5.33	3.69

PLASTI-BOND REDH₂O_T KNOCKOUT HUBS

KNOCKOUT HUBS

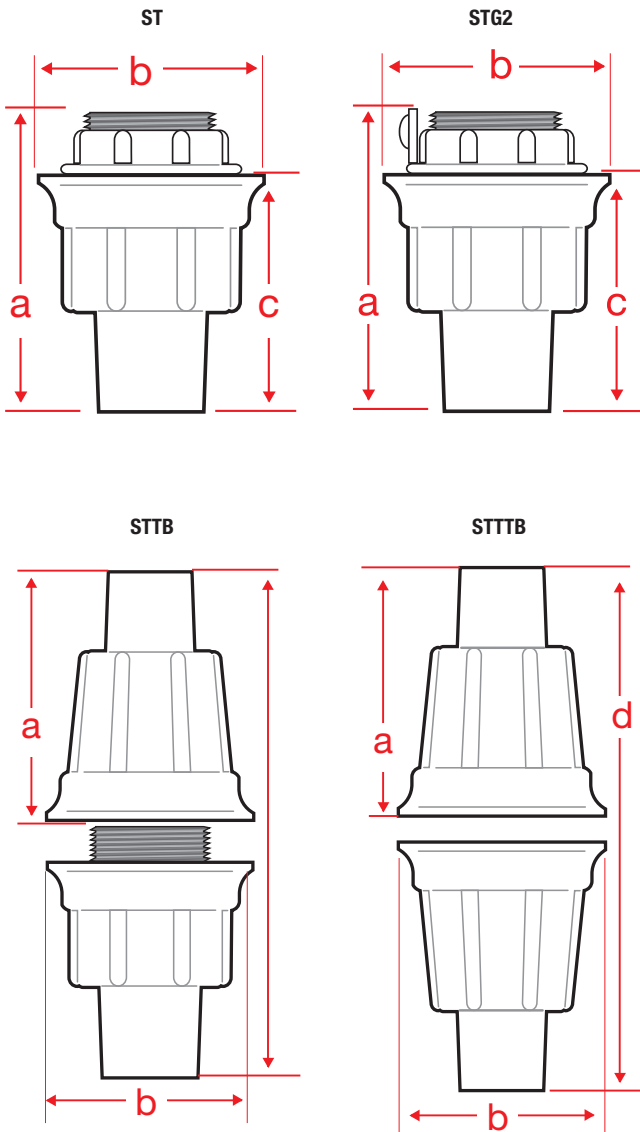


PRST2



PRSTG2

Knockout Hubs Configurations



APPLICATION

PLASTI-BOND REDH₂O_T ST style knockout hubs are used to terminate conduit runs through the wall of a sheet metal electrical enclosure. They are available with or without grounding lug. STTB style hubs are "Through-Bulkhead" fittings used to pass conduit runs through firewalls or bulkheads up to 1/8" thick. STTTB style hubs perform the same function for unlimited wall thicknesses, (furnished without nipples).

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- ST and STTB available in 12 trade sizes from 1/2" through 6"
- STTTB in 6 trade sizes from 1/2" through 2".
- Sealing sleeves on conduit side of hub
- Molded PVC gasket seals flush with enclosure wall.
- O-ring gasket provides additional seal

COMPLIANCES

- UL
- CSA

NOTE:

- All Screw-tight Hubs are listed for NEMA type enclosures 2, 3, 3R, 4, 4x, 11 and 12
- Grounding and Bonding Hubs are listed for NEMA Enclosures 2, 3, 3R, 4 and 12

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

Knockout Hubs Technical Data

ST

Pipe Size	Catalog #	Nominal Weight	A	B	C	MAX WALL THICK	Aluminum Catalog #
1/2"	PRST1	0.2	1.84	2.00	1.31	0.125	PRSTA1
3/4"	PRST2	0.3	2.22	2.25	1.66	0.125	PRSTA2
1"	PRST3	0.4	2.66	2.50	2.03	0.125	PRSTA3
1-1/4"	PRST4	0.4	2.94	3.25	2.28	0.125	PRSTA4
1-1/2"	PRST5	0.6	3.19	3.50	2.53	0.125	PRSTA5
2"	PRST6	1.2	3.75	4.25	3.09	0.125	PRSTA6
2-1/2"	PRST7	1.5	4.22	4.75	3.28	0.125	PRSTA7
3"	PRST8	2.1	4.31	5.25	3.38	0.125	PRSTA8
3-1/2"	PRST9	3.0	4.38	5.50	3.44	0.125	PRSTA9
4"	PRST10	3.5	4.44	6.25	3.50	0.125	PRSTA10
5"	PRST11	5.4	4.94	7.50	4.00	0.125	PRSTA11
6"	PRST12	6.9	5.00	8.50	4.00	0.125	PRSTA12

STG

Pipe Size	Catalog #	Nominal Weight	A	B	C	MAX WALL THICK	Aluminum Catalog #
1/2"	PRSTG1	0.2	1.84	2.00	1.31	0.125	PRSTAG1
3/4"	PRSTG2	0.3	2.22	2.25	1.66	0.125	PRSTAG2
1"	PRSTG3	0.4	2.66	2.50	2.03	0.125	PRSTAG3
1-1/4"	PRSTG4	0.4	2.94	3.25	2.28	0.125	PRSTAG4
1-1/2"	PRSTG5	0.6	3.19	3.50	2.53	0.125	PRSTAG5
2"	PRSTG6	1.2	3.75	4.25	3.09	0.125	PRSTAG6
2-1/2"	PRSTG7	1.5	4.22	4.75	3.28	0.125	PRSTAG7
3"	PRSTG8	2.1	4.31	5.25	3.38	0.125	PRSTAG8
3-1/2"	PRSTG9	3.0	4.38	5.50	3.44	0.125	PRSTAG9
4"	PRSTG10	3.5	4.44	6.25	3.50	0.125	PRSTAG10
5"	PRSTG11	5.4	4.94	7.50	4.00	0.125	PRSTAG11
6"	PRSTG12	6.9	5.00	8.50	4.00	0.125	PRSTAG12

STTB

Pipe Size	Catalog #	Nominal Weight	A	B	D	MAX WALL THICK	Aluminum Catalog #
1/2"	PRSTTB1	0.5	1.84	2.00	3.68	0.19	PRSTTTBA1
3/4"	PRSTTB2	0.5	2.22	2.25	4.44	0.19	PRSTTTBA2
1"	PRSTTB3	0.7	2.66	2.50	5.32	0.25	PRSTTTBA3
1-1/4"	PRSTTB4	1.0	2.94	3.25	5.88	0.25	PRSTTTBA4
1-1/2"	PRSTTB5	1.2	3.19	3.50	6.38	0.25	PRSTTTBA5
2"	PRSTTB6	1.7	3.75	4.25	7.50	0.25	PRSTTTBA6
2-1/2"	PRSTTB7	2.5	4.22	4.75	8.44	0.25	PRSTTTBA7
3"	PRSTTB8	3.0	4.31	5.25	8.62	0.25	PRSTTTBA8
3-1/2"	PRSTTB9	4.2	4.38	5.50	8.76	0.25	PRSTTTBA9
4"	PRSTTB10	5.9	4.44	6.25	8.88	0.25	PRSTTTBA10

STTTB

Pipe Size	Catalog #	Nominal Weight	A	B	D	MAX WALL THICK	Aluminum Catalog #
1/2"	PRSTTTB1	1.0	1.84	2.00	3.68	*	PRSTTTBA1
3/4"	PRSTTTB2	1.0	2.22	2.25	4.44	*	PRSTTTBA2
1"	PRSTTTB3	1.4	2.66	2.50	5.32	*	PRSTTTBA3
1-1/4"	PRSTTTB4	2.0	2.94	3.25	5.88	*	PRSTTTBA4
1-1/2"	PRSTTTB5	2.4	3.19	3.50	6.38	*	PRSTTTBA5
2"	PRSTTTB6	3.4	3.75	4.25	7.50	*	PRSTTTBA6

* Unlimited wall thickness – determined by nipple used.



REDH₂OT PRODUCT FLASH

Proper Product Performance Depends On Proper Installation... And We Can Help!

We support proper installation of Plasti-Bond REDH₂OT in many ways. **First:** we make available to you, at no charge, a comprehensive installation manual plus an installation video (available in English and Spanish). **Second,** we recommend Corrosion College, an intense, two day educational experience that covers installation procedures in addition to topics related to corrosion theory and prevention.

Third: we provide specialized tools to ensure that installation can be performed quickly, easily, and without damage. **Fourth:** we provide an installer certification program that teaches proper installation techniques for maximum conduit performance.

PLASTI-BOND REDH₂O_T CONDUIT UNIONS

CONDUIT UNIONS



PRUNY105

Conduit Union Technical Data

UNF

Pipe Size	FERROUS Catalog #	Nominal Weight	Length	Max Dia.	Aluminum Catalog #
1/2"	PRUNF105	0.3	2.81	1.58	PRUNF105SA
3/4"	PRUNF205	0.5	3.25	1.89	PRUNF205SA
3/4" – 1/2"	PRUNF215	0.6	3.00	1.89	–
1"	PRUNF305	0.7	4.00	1.96	PRUNF305SA
1-1/4"	PRUNF405	1.5	4.75	2.83	PRUNF405SA
1-1/2"	PRUNF505	2.3	5.63	3.14	PRUNF505SA
2"	PRUNF605	3.6	6.56	3.89	PRUNF605SA
2-1/2"	PRUNF705	5.0	7.19	4.39	PRUNF705SA
3"	PRUNF805	6.5	7.44	5.14	PRUNF805SA
3-1/2"	PRUNF905	8.2	8.13	5.77	PRUNF905SA
4"	PRUNF1005	10.0	8.13	6.27	PRUNF1005SA
5"	PRUNF012	12.5	7.81	8.27	–
6"	PRUNF014	14.8	7.81	9.39	–

UNY

Pipe Size	FERROUS Catalog #	Nominal Weight	Length	Max Dia.	Aluminum Catalog #
1/2"	PRUNY105	0.4	3.38	1.58	PRUNY105SA
3/4"	PRUNY205	0.7	3.94	1.89	PRUNY205SA
3/4" – 1/2"	PRUNY215	0.8	3.69	1.89	–
1"	PRUNY305	1.3	4.75	1.96	PRUNY305SA
1-1/4"	PRUNY405	2.6	5.69	2.83	PRUNY405SA
1-1/2"	PRUNY505	3.9	6.56	3.14	PRUNY505SA
2"	PRUNY605	4.2	7.75	3.89	PRUNY605SA
2-1/2"	PRUNY705	5.5	8.63	4.39	PRUNY705SA
3"	PRUNY805	7.5	9.00	5.14	PRUNY805SA
3-1/2"	PRUNY905	8.4	9.50	5.77	PRUNY905SA
4"	PRUNY1005	10.5	9.63	6.27	PRUNY1005SA
5"	PRUNY012	12.0	9.25	8.27	–
6"	PRUNY014	14.9	9.38	9.39	–

Conduit Union Technical Data

APPLICATION

PLASTI-BOND REDH₂O_T UNF unions are used to connect conduit to conduit or to allow for future changes to the conduit system. Female threads are provided at each end. PLASTI-BOND REDH₂O_T UNY unions are used to connect conduit to a conduit fitting, junction box, or device enclosure. One end is a male thread and the other is female.

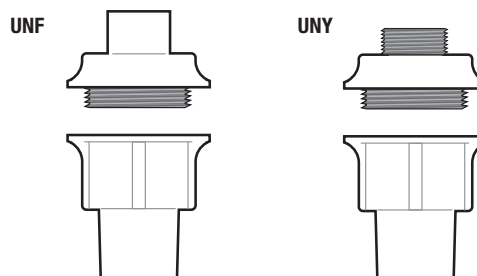
FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 13 trade sizes from 1/2" through 6".
- Sealing sleeves on all conduit openings
- Molded PVC gasket seals fitting

COMPLIANCES

- National Electric Code/CEC
UNF, UNY 1/2" through 1"
Class I, Division 1 & 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- UNF/UNY-905, -1005
Class I, Division 1 & 2, Groups B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- UNF/UNY all sizes
Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- UL Standard 886
- CSA Standard: C22.2 No. 18

Conduit Union Configurations



APPROVAL STAMP

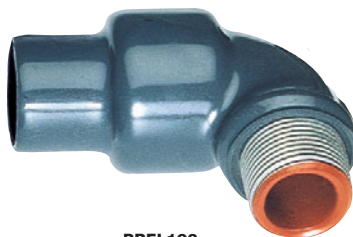
(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂OT MALLEABLE ELBOWS

MALLEABLE ELBOWS



PREL195



PREL196



PREL19

Malleable Elbows Technical Data

MALLEABLE ELBOWS 90° MALE-MALE

Pipe Size	FERROUS CATALOG #	A	Nominal Weight
1/2"	PREL195	1.44	0.3
3/4"	PREL295	1.63	0.5
1"	PREL395	1.88	0.7

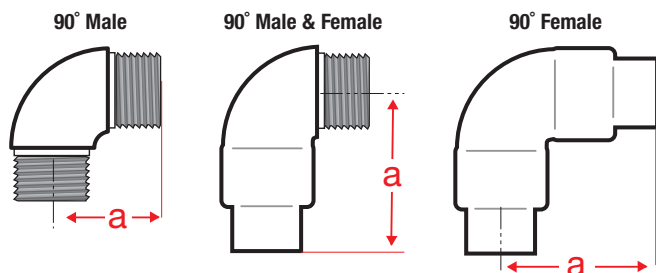
MALLEABLE ELBOWS 90° FEMALE-FEMALE

Pipe Size	FERROUS CATALOG #	A	Nominal Weight	ALUMINUM CATALOG #
1/2"	PREL19	2.03	0.7	PREL19SA
3/4"	PREL29	2.50	0.9	PREL29SA
1"	PREL39	3.00	1.2	PREL39SA
1-1/4"	PREL49	3.50	2.4	PREL49SA
1-1/2"	PREL59	5.50	3.0	PREL59SA
2"	PREL69	7.00	6.0	PREL69SA
2-1/2"	PREL79	8.44	7.9	-

MALLEABLE ELBOWS 90° MALE-FEMALE

Pipe Size	FERROUS CATALOG #	A	Nominal Weight	ALUMINUM CATALOG #
1/2"	PREL196	2.03	0.3	PREL196SA
3/4"	PREL296	2.38	0.5	PREL296SA
1"	PREL396	2.88	1.2	PREL396SA

Malleable Elbows Configurations



Malleable Elbows Specifications

APPLICATION

PLASTI-BOND REDH₂OT EL style malleable elbows are used in a conduit run to change direction 90° or to terminate at a fitting or box. They are available with male threads only, female threads only, or male and female threads.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- Various configurations in 10 trade sizes from 1/2" through 4".
- Sealing sleeves on all conduit openings

COMPLIANCES

- National Electric Code/CEC
1/2", 3/4", 1"
Class I, Division 1 & 2, Groups A, B, C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- All sizes
Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
- UL Standard 886
- CSA Standard: C22.2 No. 30

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂O SERVICE ENTRANCE ELBOWS

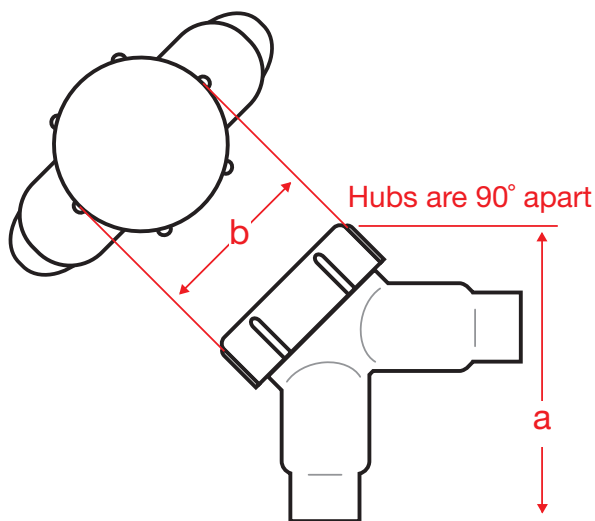
SERVICE ENTRANCE ELBOWS



PRLBY1

LBY Series Specifications

LBY Series Dimensions



APPLICATION

PLASTI-BOND REDH₂O LBY type elbows are used as service entrance elbows between service entrance and vertical weatherhead conduit runs, to change direction of a conduit run 90° when space is limited, and for pull outlets. They may be used for general service or hazardous locations.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 5 trade sizes from 1/2" through 1-1/2".
- Sealing sleeves on all conduit openings
- Molded PVC gasket seals fitting cover to body

COMPLIANCES

- Series PRLBY15 through PRLBY55
- National Electric Code/CEC
Class I, Division 1 & 2, Groups C, D
Class II, Division 1, Groups E, F, G
Class II, Division 2, Groups F, G
Class III
 - UL Standard 886

LBY SERIES - FOR HAZARDOUS LOCATIONS

Pipe Size	FERROUS Catalog #	A	B	Nominal Weight	Aluminum Catalog #
1/2"	PRLBY15	3.10	2.08	1.0	PRLBY15SA
3/4"	PRLBY25	3.60	2.33	1.2	PRLBY25SA
1"	PRLBY35	4.13	2.58	1.7	PRLBY35SA
1-1/4"	PRLBY45	5.04	3.02	2.5	PRLBY45SA
1-1/2"	PRLBY55	5.79	3.46	2.7	PRLBY55SA

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

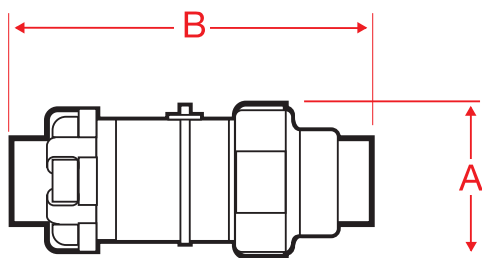
PLASTI-BOND REDH₂OT CONDUIT EXPANSION JOINTS

EXPANSION JOINTS



PRXJG64

Conduit Expansion Joints Dimensions



4" TRAVEL XJG SERIES

Pipe Size	FERROUS Catalog #	A	B	Nominal Weight	Aluminum Catalog #
1/2"	PRXJG14	1.83	7.75	1.5	PRXJG14SA
3/4"	PRXJG24	2.20	8.25	2.9	PRXJG24SA
1"	PRXJG34	2.51	9.25	3.6	PRXJG34SA
1-1/4"	PRXJG44	3.27	10.06	3.8	PRXJG44SA
1-1/2"	PRXJG54	3.76	10.87	6.2	PRXJG54SA
2"	PRXJG64	4.83	12.25	7.3	PRXJG64SA
2-1/2"	PRXJG74	4.95	13.31	9.8	PRXJG74SA
3"	PRXJG84	5.45	14.00	13.6	PRXJG84SA
3-1/2"	PRXJG94	6.70	13.81	16.1	PRXJG94SA
4"	PRXJG104	6.70	13.81	22.5	PRXJG104SA

8" TRAVEL XJG SERIES

Pipe Size	FERROUS Catalog #	A	B	Nominal Weight	Aluminum Catalog #
1/2"	PRXJG18	1.83	11.75	1.9	PRXJG18SA
3/4"	PRXJG28	2.20	12.25	3.0	PRXJG28SA
1"	PRXJG38	2.51	13.25	3.3	PRXJG38SA
1-1/4"	PRXJG48	3.27	14.06	4.7	PRXJG48SA
1-1/2"	PRXJG58	3.76	14.87	7.3	PRXJG58SA
2"	PRXJG68	4.83	16.25	10.7	PRXJG68SA
2-1/2"	PRXJG78	4.95	17.31	14.4	PRXJG78SA
3"	PRXJG88	5.45	18.00	15.9	PRXJG88SA
3-1/2"	PRXJG98	6.70	17.81	23.8	PRXJG98SA
4"	PRXJG108	6.70	17.81	25.7	PRXJG108SA

Conduit Expansion Joints Specifications

APPLICATION

PLASTI-BOND REDH₂OT XJG type expansion joints are used to connect two lengths of conduit subject to longitudinal movement, including that caused in long runs by thermal expansion and contraction.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 10 trade sizes from 1/2" through 4".
- Sealing sleeves on all conduit openings
- Available with either 4" or 8" maximum movement
- Internally Grounded

COMPLIANCES

- UL Listed Standard 514B
- CSA Standard: C22.2 No. 18

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂OT LIQUID TIGHT CONNECTORS

LIQUID TIGHT CONNECTORS



PR5352



PR5352GR



PR5332



PR5342

Liquid Tight Connectors Specifications

APPLICATION

PLASTI-BOND REDH₂OT liquid tight connectors are used with liquid tight conduit to wire motors, transformers, processing equipment, pumps, etc.. The flexible conduit and the PVC coated connector work together to seal out water and other corrosive liquids, protecting the conductors from damage.

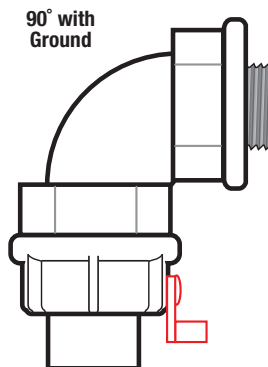
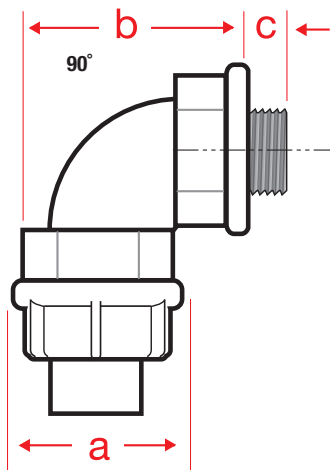
FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 13 trade sizes from 3/8" through 6".
- Sealing sleeves on all conduit openings
- Available in straight, 45° or 90° body configurations
- Available with an external grounding lug

COMPLIANCES

- UL Standard 514B
- CSA Standard: C22.2 No. 18

Liquid Tight Connectors Configurations



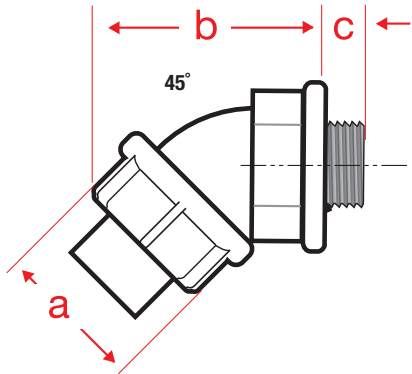
APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

LIQUID TIGHT CONNECTORS

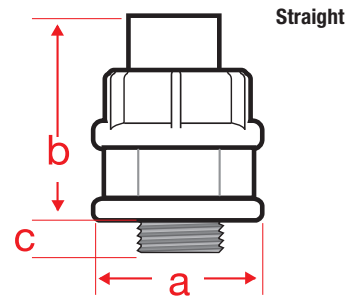
STRAIGHT CONNECTOR

Pipe Size	FERROUS Catalog #	A	B	C	Nominal Weight	Aluminum Catalog #
3/8"	PR5331	1.24	1.88	0.56	0.2	PR5231AL
1/2"	PR5332	1.46	2.06	0.56	0.2	PR5232AL
3/4"	PR5333	1.74	2.38	0.56	0.3	PR5233AL
1"	PR5334	1.96	3.06	0.75	0.4	PR5234AL
1-1/4"	PR5335	2.36	3.75	0.81	0.8	PR5235AL
1-1/2"	PR5336	2.80	4.19	0.81	0.9	PR5236AL
2"	PR5337	3.33	5.06	0.88	1.7	PR5237AL
2-1/2"	PR5338	3.83	6.13	1.00	3.0	PR5238AL
3"	PR5339	4.58	6.25	1.00	4.2	PR5239AL
4"	PR5340	5.58	6.50	1.13	6.2	PR5240AL



STRAIGHT CONNECTOR WITH GROUND

Pipe Size	FERROUS Catalog #	A	B	C	Ground Wire	Nominal Weight	Aluminum Catalog #
3/8"	PR5331GR	1.24	1.88	0.56	14-8	0.2	PR5231GRAL
1/2"	PR5332GR	1.46	2.06	0.56	14-8	0.2	PR5232GRAL
3/4"	PR5333GR	1.74	2.38	0.56	14-4	0.3	PR5233GRAL
1"	PR5334GR	1.96	3.06	0.75	14-4	0.4	PR5234GRAL
1-1/4"	PR5335GR	2.33	3.75	0.81	8/2/04	0.8	PR5235GRAL
1-1/2"	PR5336GR	3.33	4.19	0.81	4/3/04	0.9	PR5236GRAL
2"	PR5337GR	3.89	5.06	0.88	4/3/04	1.7	PR5237GRAL
2-1/2"	PR5338GR	4.52	6.13	1.00	2/5/04	3.0	PR5238GRAL
3"	PR5339GR	5.27	6.25	1.00	2/5/04	4.2	PR5239GRAL
4"	PR5340GR	6.21	6.50	1.13	2/5/04	6.2	PR5240GRAL



45° CONNECTOR

Pipe Size	FERROUS Catalog #	A	B	C	Nominal Weight
3/8"	PR5341	1.24	1.94	0.56	0.3
1/2"	PR5342	1.46	2.38	0.56	0.3
3/4"	PR5343	1.74	2.88	0.56	0.4
1"	PR5344	1.96	3.25	0.75	0.5
1-1/4"	PR5345	2.36	4.00	0.81	1.5
1-1/2"	PR5346	2.80	4.88	0.81	1.2
2"	PR5347	3.33	5.88	0.88	2.0
2-1/2"	PR5348	3.83	6.25	1.00	3.0
3"	PR5349	4.58	6.25	1.00	4.2
4"	PR5350	5.58	6.63	1.13	6.2

45° CONNECTOR WITH GROUND

Pipe Size	FERROUS Catalog #	A	B	C	Ground Wire	Nominal Weight
3/8"	PR5341GR	1.24	1.94	0.56	14-8	0.3
1/2"	PR5342GR	1.46	2.38	0.56	14-8	0.3
3/4"	PR5343GR	1.74	2.88	0.56	14-4	0.4
1"	PR5344GR	1.96	3.25	0.75	14-4	0.5
1-1/4"	PR5345GR	3.33	4.63	0.81	4/3/04	1.5
1-1/2"	PR5346GR	3.33	4.88	0.81	4/3/04	1.2
2"	PR5347GR	3.89	5.88	0.88	4/3/04	2.0
2-1/2"	PR5348GR	4.52	6.25	1.00	2/5/04	3.0
3"	PR5349GR	5.27	6.25	1.00	2/5/04	4.2
4"	PR5350GR	6.21	6.63	1.13	2/5/04	6.2

90° CONNECTOR

Pipe Size	FERROUS Catalog #	A	B	C	Nominal Weight	Aluminum Catalog #
3/8"	PR5351	1.24	1.80	0.56	0.3	PR5251AL
1/2"	PR5352	1.46	2.10	0.56	0.3	PR5252AL
3/4"	PR5353	1.74	2.54	0.56	0.4	PR5253AL
1"	PR5354	1.96	3.23	0.75	0.6	PR5254AL
1-1/4"	PR5355	2.36	4.04	0.81	1.0	PR5255AL
1-1/2"	PR5356	2.80	4.48	0.81	1.7	PR5256AL
2"	PR5357	3.33	5.48	0.88	2.7	PR5257AL
2-1/2"	PR5358	3.83	10.92	1.00	3.8	-
3"	PR5359	4.58	12.29	1.00	4.2	-
4"	PR5360	5.58	14.67	1.13	6.2	-

90° CONNECTOR WITH GROUND

Pipe Size	FERROUS Catalog #	A	B	C	Ground Wire	Nominal Weight	Aluminum Catalog #
3/8"	PR5351GR	1.10	1.55	0.56	14-8	0.3	PR5251GRAL
1/2"	PR5352GR	1.46	1.98	0.56	14-8	0.3	PR5252GRAL
3/4"	PR5353GR	1.96	2.85	0.75	14-4	0.4	PR5253GRAL
1"	PR5354GR	1.96	3.10	0.75	14-4	0.6	PR5254GRAL
1-1/4"	PR5355GR	2.33	3.79	0.81	8/2/04	1.0	PR5255GRAL
1-1/2"	PR5356GR	3.33	4.48	0.81	4/3/04	1.7	PR5256GRAL
2"	PR5357GR	3.89	5.48	0.88	4/3/04	2.7	PR5257GRAL
2-1/2"	PR5358GR	4.52	10.92	1.00	2/5/04	3.8	-
3"	PR5359GR	5.27	12.29	1.00	2/5/04	4.2	-
4"	PR5360GR	6.21	14.67	1.13	2/5/04	6.2	-

PLASTI-BOND REDH₂O_T REDUCING AND SPLIT COUPLINGS

REDUCING AND SPLIT COUPLINGS

Reducing Couplings Specifications

APPLICATION

PLASTI-BOND REDH₂O_T reducing couplings are used to connect two pieces of conduit of different size. They are available in 17 different size combinations.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 17 trade sizes from 1/2" through 4".
- Sealing sleeves on all conduit openings

COMPLIANCES

- National Electric Code/CEC Class I, Division 1 & 2, Groups A, B, C, D Class II, Division 2, Groups F, G
- UL Standard 886
- CSA Standard: C22.2 No. 18



PRREC32

REDUCING COUPLINGS

Pipe Size	FERROUS Catalog #	Nominal Weight	Aluminum Catalog #
3/4" – 1/2"	PRREC21	0.2	PRREC21SA
1" – 1/2"	PRREC31	0.7	PRREC31SA
1" – 3/4"	PRREC32	0.5	PRREC32SA
1-1/4" – 3/4"	PRREC42	1.0	PRREC42SA
1-1/4" – 1"	PRREC43	0.8	PRREC43SA
1-1/2" – 3/4"	PRREC52	1.4	PRREC52SA
1-1/2" – 1"	PRREC53	1.2	PRREC53SA
1-1/2" – 1-1/4"	PRREC54	1.3	PRREC54SA
2" – 3/4"	PRREC602	1.5	PRREC602SA
2" – 1"	PRREC603	2.3	PRREC603SA
2" – 1-1/4"	PRREC604	2.6	PRREC604SA
2" – 1-1/2"	PRREC605	2.8	PRREC605SA
2-1/2" – 1-1/2"	PRREC75	3.2	–
3" – 2"	PRREC86	3.7	PRREC86SA
3-1/2" – 2-1/2"	PRREC97	4.6	–
4" – 3"	PRREC108	5.9	–
5" – 4"	PRREC01210	7.4	–

Split Couplings Specifications

APPLICATION

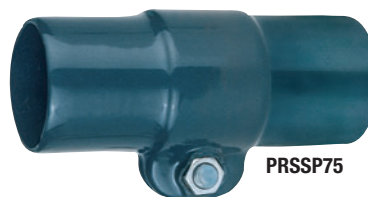
PLASTI-BOND REDH₂O_T split couplings are used to connect two pieces of conduit where the conduit can't be turned because of limited clearance between runs or a wall or other obstruction.

FEATURES

- 40 mil gray PVC exterior coating
- 2 mil red urethane interior coating
- 12 trade sizes from 1/2" through 6".
- Sealing sleeves on all conduit openings

COMPLIANCES

- UL Standard 514B
- CSA Standard: C22.2 No. 18



PRSSP75

SPLIT COUPLINGS

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PRSSP50	0.2
3/4"	PRSSP75	0.3
1"	PRSSP100	0.4
1-1/4"	PRSSP125	0.6
1-1/2"	PRSSP150	0.7
2"	PRSSP200	1.0
2-1/2"	PRSSP250	2.3
3"	PRSSP300	3.0
3-1/2"	PRSSP350	3.8
4"	PRSSP400	4.1
5"	PRSSP500	6.0
6"	PRSSP600	8.6

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂O_T PLUGS AND BUSHINGS

PLUGS AND BUSHINGS

Bushings and Plugs Technical Data

RE = Reducers

RE style reducers reduce conduit hubs to a smaller size. They are provided with an integral bushing to prevent conductor damage and full, clean cut threads for ease of assembly. **All RE reducers are coated inside and out with red polyurethane for corrosion protection.**

REDUCING BUSHINGS

Pipe Size	FERROUS Catalog #	Nominal Weight	Aluminum Catalog #
3/4" – 1/2"	PRRE21	0.2	PRRE21SA
1" – 1/2"	PRRE31	0.7	PRRE31SA
1" – 3/4"	PRRE32	0.5	PRRE32SA
1-1/4" – 1/2"	PRRE41	0.8	PRRE41SA
1-1/4" – 3/4"	PRRE42	0.8	PRRE42SA
1-1/4" – 1"	PRRE43	0.8	PRRE43SA
1-1/2" – 1/2"	PRRE51	0.9	PRRE51SA
1-1/2" – 3/4"	PRRE52	0.9	PRRE52SA
1-1/2" – 1"	PRRE53	0.9	PRRE53SA
1 1/2 – 1-1/4	PRRE54	0.9	PRRE54SA
2" – 1/2"	PRRE61	1.1	PRRE61SA
2" – 3/4"	PRRE62	1.1	PRRE62SA
2" – 1"	PRRE63	1.2	PRRE63SA
2" – 1-1/4"	PRRE64	1.3	PRRE64SA
2" – 1-1/2"	PRRE65	1.6	PRRE65SA
2-1/2" – 1"	PRRE73	1.6	PRRE73SA
2 1/2" – 1-1/4"	PRRE74	1.6	PRRE74SA
2-1/2" – 1-1/2"	PRRE75	1.6	PRRE75SA
2-1/2" – 2"	PRRE76	1.7	PRRE76SA
3" – 1"	PRRE83	1.7	PRRE83SA
3" – 1-1/4"	PRRE84	2.3	PRRE84SA
3" – 1-1/2"	PRRE85	2.4	PRRE85SA
3" – 2"	PRRE86	2.5	PRRE86SA
3" – 2-1/2"	PRRE87	4.0	PRRE87SA
3-1/2" – 2"	PRRE96	4.6	PRRE96SA
3-1/2" – 2-1/2"	PRRE97	4.7	PRRE97SA
3-1/2" – 3"	PRRE98	4.8	PRRE98SA
4" – 2"	PRRE106	5.0	PRRE106SA
4" – 2-1/2"	PRRE107	5.2	PRRE107SA
4" – 3"	PRRE108	6.0	PRRE108SA
4" – 3-1/2"	PRRE109	6.1	PRRE109SA
5" – 4"	PRRE01210	7.4	PRRE01210SA
6" – 5"	PRRE01412	8.0	PRRE01412SA

GLL = Grounding Bushings

GLL style PVC coated threaded grounding bushings have an aluminum lug for copper or aluminum grounding conductors.

GROUNDING BUSHING

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PBGLL1	0.1
3/4"	PBGLL2	0.1
1"	PBGLL3	0.1
1-1/4"	PBGLL4	0.2
1-1/2"	PBGLL5	0.2
2"	PBGLL6	0.3
2-1/2"	PBGLL7	0.5
3"	PBGLL8	0.7
3-1/2"	PBGLL9	1.0
4"	PBGLL10	1.1

PLG = Plugs

PLG style plugs are used to close unused conduit hubs. They are available with either recessed square drive sockets or raised square drive heads. **All PLG plugs are completely coated with red polyurethane for corrosion protection.**

SQUARE HEAD PLUGS

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PRPLG15	0.5
3/4"	PRPLG25	0.6
1"	PRPLG35	0.2
1-1/4"	PRPLG45	0.3
1-1/2"	PRPLG55	0.3
2"	PRPLG65	0.4
2-1/2"	PRPLG75	0.4
3"	PRPLG85	0.5
3-1/2"	PRPLG95	0.5
4"	PRPLG105	0.6

RECESSED PLUGS

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PRPLG1	0.2
3/4"	PRPLG2	0.2
1"	PRPLG3	0.3
1-1/4"	PRPLG4	0.3
1-1/2"	PRPLG5	0.3
2"	PRPLG6	0.3
2-1/2"	PRPLG7	0.3
3"	PRPLG8	0.4
3-1/2"	PRPLG9	0.4
4"	PRPLG10	0.5

APPROVAL STAMP

(See online product submittal guide at www.plastibond.com)

PLASTI-BOND REDH₂O^T SUPPORT PRODUCTS

PLASTI-BOND REDH₂O^T COATED PIPE STRAPS, CLAMP BACK SPACERS, AND THREAD RODS

Pipe Straps and Clamp Back Spacers Specifications

APPLICATION

PLASTI-BOND PVC coated pipe straps are used to securely mount conduit to a wall or other structure for support. They are available in two styles: a one-hole malleable iron strap or a two-hole stamped steel strap. Mounting hardware not provided.

PLASTI-BOND PVC coated clamp back spacers are used with malleable or stamped pipe straps to provide a mounting stand-off for a conduit from a wall or other structure.



FEATURES

- 20 mil gray PVC exterior coating
- 10 trade sizes from 1/2" through 4".

CONDUIT PIPE STRAP 1 HOLE SETS

Pipe Size	FERROUS Catalog #	Nominal Wt. For 100
1/2"	PBPS11M	11
3/4"	PBPS22M	14
1"	PBPS33M	12
1-1/4"	PBPS44M	25
1-1/2"	PBPS55M	36
2"	PBPS66M	71
2-1/2"	PBPS77M	111
3"	PBPS88M	134
3-1/2"	PBPS99M	166
4"	PBPS100M	256

CONDUIT PIPE STRAP 2 HOLE

Pipe Size	FERROUS Catalog #	Nominal Wt. For 100
1/2"	PBPS11S-2	2.0
3/4"	PBPS22S-2	3.0
1"	PBPS33S-2	4.0
1-1/4"	PBPS44S-2	4.5
1-1/2"	PBPS55S-2	5.0
2"	PBPS66S-2	10.0
2-1/2"	PBPS77S-2	13.0
3"	PBPS88S-2	17.0
3-1/2"	PBPS99S-2	20.0
4"	PBPS100S-2	25.0

CONDUIT CLAMP BACK SPACER

Pipe Size	FERROUS Catalog #	Nominal Wt. Each
1/2"	PBCLB-M50	0.1
3/4"	PBCLB-M75	0.1
1"	PBCLB-M100	0.1
1-1/4"	PBCLB-M125	0.2
1-1/2"	PBCLB-M150	0.2
2"	PBCLB-M200	0.3
2-1/2"	PBCLB-M250	1.0
3"	PBCLB-M300	1.7
4"	PBCLB-M400	2.0

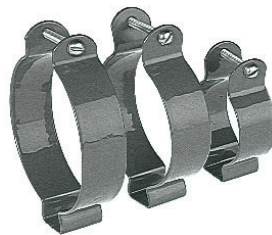
Conduit Clamp Hangers Specifications

APPLICATION

PLASTI-BOND PVC coated conduit clamp hangers are used with threaded rod to securely suspend conduit runs supported from above. They are provided with stainless steel hardware.

FEATURES

- 20 mil gray PVC exterior coating
- 10 trade sizes from 1/2" through 4".



PB6HB Style

CONDUIT HANGER

Pipe Size	Catalog #	Nominal Weight
1/2"	PB6H0B	0.1
3/4"	PB6H1B	0.1
1"	PB6H2B	0.1
1-1/4"	PB6H3B	0.1
1-1/2"	PB6H4B	0.2
2"	PB6H5B	0.3
2-1/2"	PB6H6B	0.4
3"	PB6H7B	0.5
3-1/2"	PB6H8B	0.6
4"	PB6H9B	0.7

All Thread Rod Specifications

APPLICATION

PLASTI-BOND PVC coated all thread rod is used with coated conduit hangers and coated strut to securely suspend conduit runs supported from above. It is provided in 3/8" and 1/2" sizes and three standard lengths, 3', 6' and 10'.

FEATURES

- 20 mil gray PVC exterior coating
- 2 trade sizes and 3 standard lengths



PBH193

THREAD RODS

Size	Catalog #
3/8" X 3'	PBH193-3/8X3
3/8" X 6'	PBH193-3/8X6
3/8" X 10'	PBH193-3/8X10
1/2" X 3'	PBH193-1/2X3
1/2" X 6'	PBH193-1/2X6
1/2" X 10'	PBH193-1/2X10

PLASTI-BOND REDH₂O_T SUPPORT PRODUCTS

PLASTI-BOND REDH₂O_T COATED PIPE STRAPS AND STEEL STRUTS

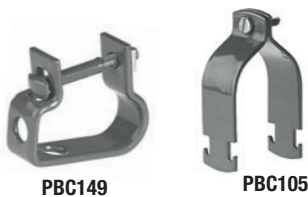
Coated Pipe Straps

APPLICATION

PLASTI-BOND PVC coated pipe straps are used with coated strut to support conduit installations in a variety of configurations. PBC105 style straps may be used in either vertical or horizontal positions to support conduit. Straps provided with stainless steel hardware. Conduit spacing may be as close together as allowed by the couplings. PBC149 style straps may be used with hanger rods or other means of support to securely fasten conduit runs.

FEATURES

- 20 mil gray PVC exterior coating
- Available in 11 trade sizes.



PBC149

PBC105

PVC COATED PIPE STRAPS

Size	FERROUS Catalog #	Gauge Metal	Weight For 100 pcs	Standard Pack
1/2"	PBC149-1/2		18	25
3/4"	PBC149-3/4		21	25
1"	PBC149-1		22	25
1-1/4"	PBC149-1-1/4		25	25
1-1/2"	PBC149-1-1/2		27	25
2"	PBC149-2		29	25
2-1/2"	PBC149-2-1/2		64	25
3"	PBC149-3		72	25
3-1/2"	PBC149-3-1/2		84	25
4"	PBC149-4		138	10
5"	PBC149-5		162	10

PVC COATED PIPE STRAPS

Size	FERROUS Catalog #	Gauge Metal	Weight For 100 pcs	Standard Pack
1/2"	PBC105-1/2	14	13.0	100
3/4"	PBC105-3/4	14	15.0	100
1"	PBC105-1	14	17.0	100
1-1/4"	PBC105-1-1/4	12	19.5	100
1-1/2"	PBC105-1-1/2	12	28.0	100
2"	PBC105-2	12	31.0	50
2-1/2"	PBC105-1-1/2	12	36.0	50
3"	PBC105-3	12	42.0	50
3-1/2"	PBC105-3-1/2	11	56.0	25
4"	PBC105-4	11	64.0	25
5"	PBC105-5	10	76.0	25

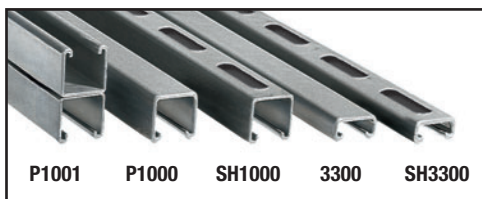
PVC Coated Ferrous Strut Specifications

APPLICATION

PLASTI-BOND PVC coated strut is a versatile system of structural elements that can be used to build supports for a variety of applications. When combined with coated conduit hangers and other accessories, coated strut is a versatile and economical way to provide reliable support for conduit runs and other electrical and mechanical installations.

FEATURES

- 20 mil gray PVC exterior coating
- 2 trade sizes and 3 standard styles



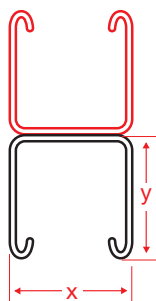
P1001

P1000

SH1000

3300

SH3300



PVC COATED STRUT

Style	FERROUS Catalog #	Nominal Wt. Per 100 ft.	X	Y	Strut Thickness
Channel	PBP1000-10	200.0	1.67	1.67	12 ga.
Channel Slotted	PBSH1000-10	185.0	1.67	1.67	12 ga.
Channel Back to Back	PBP1001-10	380.0	1.67	3.29	12 ga.
Channel Shallow	PBP3300-10	135.0	1.67	0.92	12 ga.
Channel Slotted	PBSH3300-10	130.0	1.67	0.92	12 ga.

PVC COATED STRUT CUT-TO-LENGTH

FERROUS Catalog #	Description	X	Y	Length In Ft.	Strut Thickness
PBP1000-1	1-5/8 CHANNEL	1.67	1.67	1	12 ga.
PBP1000-1-1/2	1-5/8 CHANNEL	1.67	1.67	1-1/2	12 ga.
PBP1000-2	1-5/8 CHANNEL	1.67	1.67	2	12 ga.
PBP1000-2-1/2	1-5/8 CHANNEL	1.67	1.67	2-1/2	12 ga.
PBP1000-3	1-5/8 CHANNEL	1.67	1.67	3	12 ga.
CHANNELS WITH SLOTTED HOLES					
PBSH1000-1	1-5/8 CHANNEL	1.67	0.92	1	12 ga.
PBSH1000-1-1/2	1-5/8 CHANNEL	1.67	0.92	1-1/2	12 ga.
PBSH1000-2	1-5/8 CHANNEL	1.67	0.92	2	12 ga.
PBSH1000-2-1/2	1-5/8 CHANNEL	1.67	0.92	2-1/2	12 ga.
PBSH1000-3	1-5/8 CHANNEL	1.67	0.92	3	12 ga.

PVC Coated Strut Nut Specifications

APPLICATION

PLASTI-BOND PVC coated strut nuts are used to assemble strut components and to secure coated all thread rod in a section of strut. These are available with or without a spring to aid in placement and assembly.

FEATURES

- 20 mil gray PVC exterior coating
- 10 trade sizes from 1/2" through 4".



PBB910

PBB911

COATED STRUT NUT

Pipe Size	FERROUS Catalog #
3/8"	PBB910-3/8
1/2"	PBB910-1/2
3/8"	PBB911-3/8
1/2"	PBB911-1/2
3/8"	PBB914-3/8
1/2"	PBB914-1/2

PLASTI-BOND REDH₂O_T SUPPORT PRODUCTS

PLASTI-BOND REDH₂O_T COATED BEAM CLAMPS AND U-BOLTS

Beam Clamps and U-Bolts Specifications

APPLICATION

PLASTI-BOND PVC coated beam clamps are used to securely support conduit runs by attaching them to beams, angles, trusses and other structural members. They are available in four different styles:

Right Angle – to attach the conduit run at a 90° angle to a beam or structural member.

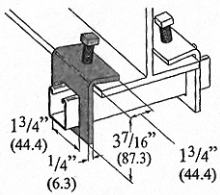
Parallel – to attach the conduit run parallel to a beam or structural member.

Edge – to attach the conduit run at a 90° angle to a thin beam or structural member.

Hanger Rod Beam Clamp – to attach a single all thread rod to a beam or structural member.

FEATURES

- 40 mil gray PVC exterior coating on right angle clamps.
- 20 mil gray PVC exterior coating on parallel and edge clamps.
- Right angle clamps supplied with plastic encapsulated screws.
- All clamps specifically sized to fit PVC coated conduit.
- Right angle and parallel clamps available in 10 trade sizes 1/2" through 4".
- Edge clamps available in 3 trade sizes 1/2" through 1".
- Hanger rod beam clamps available with 5 different jaw openings 15/16" through 2 1/8"



STRUT WINDOW BEAM CLAMPS

FERROUS Catalog #	Nominal Weight
PBB441-22	0.9
PBB441-22A	0.9

COATED NUTS

FERROUS CATALOG #	Description
PBNUIT-KIT-1	5/16 ENC NUTS-RA,UBLT 1/2 -1 1/4
PBNUIT-KIT-2	3/8 ENC NUTS - RA,UBLT 1 1/2-6



Parallel Beam Clamp



Edge Beam Clamp



Right Angle Beam Clamp



U bolt

PARALLEL CONDUIT CLAMP

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PBPAR-1/2	46.8
3/4"	PBPAR-3/4	63.0
1"	PBPAR-1	67.0
1-1/4"	PBPAR-1-1/4	100.0
1-1/2"	PBPAR-1-1/2	130.0
2"	PBPAR-2	158.0
2-1/2"	PBPAR-2-1/2	175.0
3"	PBPAR-3	200.0
3-1/2"	PBPAR-3-1/2	250.0
4"	PBPAR-4	275.0

EDGE STYLE CONDUIT CLAMP

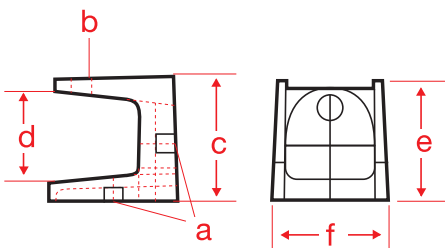
Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PBEDGE-1/2	74.0
3/4"	PBEDGE-3/4	90.0
1"	PBEDGE-1	100.0

RIGHT ANGLE CONDUIT CLAMP

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PBRA-1/2	49.0
3/4"	PBRA-3/4	53.0
1"	PBRA-1	61.0
1-1/4"	PBRA-1-1/4	65.0
1-1/2"	PBRA-1-1/2	92.0
2"	PBRA-2	100.0
2-1/2"	PBRA-2-1/2	125.0
3"	PBRA-3	150.0
3-1/2"	PBRA-3-1/2	175.0
4"	PBRA-4	198.0

CONDUIT U-BOLT

Pipe Size	FERROUS Catalog #	Nominal Weight
1/2"	PBU-BOLT-1/2	17.0
3/4"	PBU-BOLT-3/4	18.0
1"	PBU-BOLT-1	20.0
1-1/4"	PBU-BOLT-1-1/4	20.0
1-1/2"	PBU-BOLT-1-1/2	31.0
2"	PBU-BOLT-2	34.0
2-1/2"	PBU-BOLT-2-1/2	39.0
3"	PBU-BOLT-3	44.0
3-1/2"	PBU-BOLT-3-1/2	45.0
4"	PBU-BOLT-4	49.0
5"	PBU-BOLT-5	100.0
6"	PBU-BOLT-6	130.0



BEAM CLAMPS

Pipe Size	FERROUS Catalog #	A	B	C	D	E	F	Nominal Weight	Maximum Load
1"	PB500	1/4-20	5/16-1-1/8	1-3/8	7/8	1-1/4	1-1/8	25	500
1-1/4"	PB501	5/16-18	3/8-16	1-3/4	7/8	1-5/8	1-1/2	50	800
1-1/2"	PB502	3/8-16	1/2-13	2-1/16	7/8	2	2	90	2000
2"	PB503	1/2-13	1/2-13	2-5/8	1	1-1/4	1-1/8	195	2000
2-1/2"	PB508	1/2-13	1/2-13	2-1/4	7/8	2-1/2	2-5/8	25	4000

PLASTI-BOND REDH₂O_T SUPPORT PRODUCTS

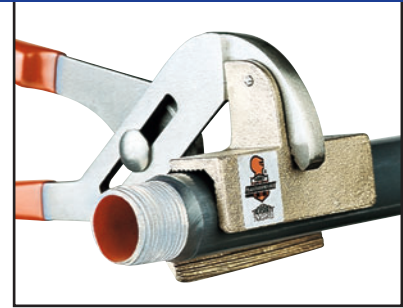
PLASTI-BOND REDH₂O_T COATED BEAM CLAMPS AND U-BOLTS



With the Plasti-Bond **SPIN-IT**, Plasti-Bond REDH₂O_T can be tightened much faster than with conventional tools. Because **SPIN-IT** never touches the coating, damage to the conduit is eliminated. **SPIN-IT** is available in popular sizes for 3/4" through 2" drive conduit. Use 1/2" drive impact wrench or a standard ratchet wrench for 3/4" and 1" conduit, use 3/4" drive for sizes 1-1/4" through 2".

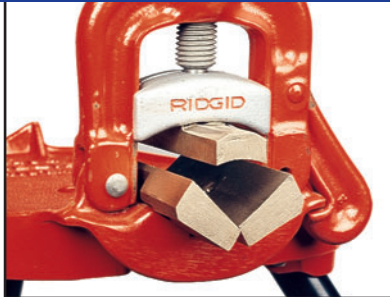


PLASTI-SOCKET is a fiber-glass encapsulated 3/8" drive socket for use with the square fiberglass encapsulated U bolt and beam clamp nuts used in the Plasti-Bond RED-H₂O_T conduit support system. They fit a standard 3/8" drive ratchet and speed up installation while avoiding coating damage from metal sockets, pliers or wrenches.



Z-WRENCH features extra wide jaws which spread the clamping force, enabling the tool to grip without marring the surface of the conduit. The "V" shaped upper jaw allows **Z-WRENCH** to accommodate a wide range of conduit sizes. Shallow grooves in the upper and lower jaws provide an excellent grip.

JAWS 3



JAWS 3 are a set of aluminum-nickel-bronze vise jaws designed to replace the regular jaws in a RIGID #23 or #40-A pipe vise. **JAWS 3** are designed for use with Plasti-Bond REDH₂O_T Coated Conduit. They completely protect the exterior coating from damage caused by the vise jaws when cutting or threading. One set of **JAWS 3** handles Plasti-Bond REDH₂O_T Coated Conduit sizes from 1/2" through 1-1/2". Model #23 fits the RIGID #23 pipe vise. Model #40-A fits the RIGID #40-A tripod pipe vise.

HALF SHELL CLAMPS



HALF SHELL CLAMPS are designed to cover a large surface area when clamping conduit, especially in a chain vise. This allows for a strong grip without damaging the exterior coating. **HALF SHELL CLAMPS** are available for clamping 2" through 6" conduit.

HICKEY



The **PLASTI-BOND Hickey** is a special bending tool with a 40 mil PVC coating which reduces the possibility of damage during conduit bending.

See the following page for Installation Tools catalog numbers

PLASTI-BOND TOUCH UP COMPOUNDS

APPLICATION

PLASTI-BOND REDH₂O_T Touchup Compounds are available to repair minor damage to the interior urethane or exterior PVC factory coatings. The exterior PVC touchup compound is gray and available in a 12 oz. aerosol can, and a pint can with brush-top applicator.

The approved thread compound touchup compound is available in a pint can with a brush-top applicator.

See the installation section of the buyers' guide for more information on using the PLASTI-BOND touchup compounds.

PLASTI-BOND TOUCH UP COMPOUNDS

Catalog Number	DESCRIPTION	Size
PBTOUCHUP-SPRAY	Exterior Spray Type (Gray)	12 oz.
PBTOUCHUP-GRAY-PT	Exterior Non-Spray with Brush-Top (Gray)	1 pt.
PBTHREAD-COMPOUND	Approved Conductive Compound-Brush-Top Paint	1 pt.



INTRODUCTION

PLASTI-BOND REDH₂O_T INSTALLATION

Installation Guide

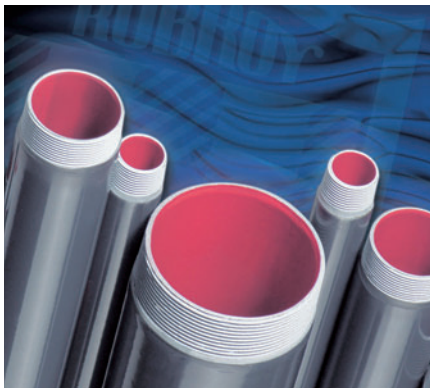
Plasti-Bond REDH₂O_T is totally encapsulated, providing the best available exterior and interior protection against corrosion.

- A 40 mil PVC exterior coating is permanently fused to rigid metal conduit.
- A tough, flexible urethane coating is applied to the interior of the conduit by an exclusive process.
- Using a unique, proprietary system, threads are protected from corrosion by hot galvanizing after PVC coating of the conduit and before application of a clear polyurethane topcoat.

Proper installation is essential to ensure the highest possible performance and provide maximum life for a conduit system. You're probably an expert at installing non-coated rigid metal conduit. We'd like to give you a few tips to assure the best possible PVC coated conduit installation. With the exceptions of a few precautions necessary to protect the coatings, coated rigid metal conduit installation procedures are the same as those for installing non-coated rigid conduit.

Installing Plasti-Bond REDH₂O_T involves five basic steps:

- 1. Clamping**
- 2. Cutting**
- 3. Threading**
- 4. Bending**
- 5. Assembly**



Proper installation is essential to insure the highest possible performance and provide maximum life for a conduit system.

INSTALLATION TOOLS

Catalog #	Description
SPSPIN-IT-3/4	3/4 SPIN-IT
SPSPIN-IT-1	1 SPIN-IT
SPSPIN-IT-1-1/4	1-1/4 SPIN-IT
SPSPIN-IT-1-1/2	1-1/2 SPIN-IT
SPSPIN-IT-2	2 SPIN-IT
PBHCKEY	1/2" & 3/4" CONDUIT BENDER
PSPLASTISOCKET-3/8	3/8 PLASTISOCKET
SPJPZ1	1/2 - 1-1/4 Z-WRENCH
SPJPZ2	1-1/2 - 2-1/2 Z-WRENCH
JWJAWS3-#23	JAWS #23 PIPE VISE
JWJAWS3-#40-A	JAWS #40-A TRIPOD PIPE VISE
JWHLF-SHL-CLP2	2 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP2-1/2	2-1/2 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP3	3 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP3-1/2	3-1/2 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP4	4 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP5	5 HALF-SHELL CONDUIT CLAMP
JWHLF-SHL-CLP6	6 HALF-SHELL CONDUIT CLAMP

CLAMPING

PLASTI-BOND REDH₂OT INSTALLATION

A number of practical ways are recommended for clamping Plasti-Bond REDH₂OT.

If a power drive unit that spins the conduit is used, the chuck should be equipped with inserts designed specifically for PVC coated conduit. These inserts are available through a local threading equipment distributor.

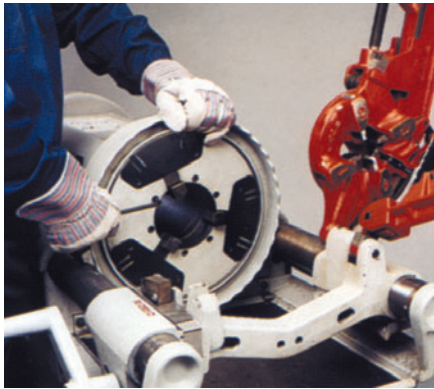
When using a pipe vise it is recommended that the jaw assembly be replaced with Plasti-Bond Jaws 3 vise adapters.

These adapters spread the clamping force over a larger area, which helps prevent spinning of the pipe during

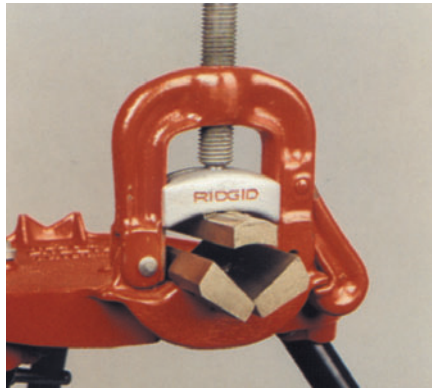
cutting and threading operations.

If Jaws 3 adapters are not used, wrap the area of the conduit to be clamped with emery cloth coarse side down. This will increase the friction created by the vise jaws and help prevent spinning of the pipe, thereby reducing potential damage to the coating.

We have developed half shell clamps to protect a large surface area when conduit is clamped in a chain vise. The aluminum nickel bronze clamps allow for a strong grip without damaging the exterior coating of the coated conduit. 1/2 shell clamps are available in sizes 2 through 6 inches.



On a power drive unit inserts should be used that are designed for PVC coated conduit.



When using a pipe vise it is recommended that the jaw assembly be replaced with Jaws 3 vise adapters.



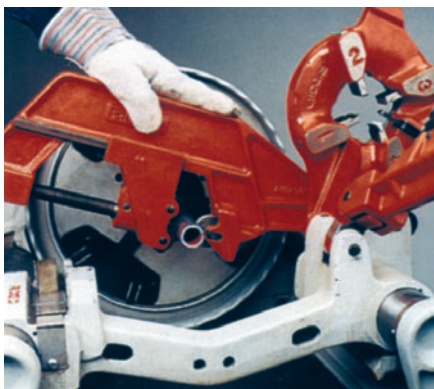
When a chain vise is used special care must be taken to prevent damage to the exterior coating.

CUTTING

PLASTI-BOND REDH₂OT INSTALLATION

We recommend using a roller cutter to cut coated conduit. In addition to producing a square cut end, the roller cutter will remove approximately 1/4" of the PVC coating, aiding in conduit threading. Conventional manual or power saws

may also be used to cut conduit. Use a reamer to remove any rough edges from the conduit interior caused by the cutting operation. This ensures that the wire pulled through the conduit will not be damaged.



We recommend that Plasti-Bond REDH₂OT conduit be cut with a roller cutter.



The PVC coating may need to be pencil cut in order that the die teeth may engage the conduit.



Use a reamer to remove rough edges.

THREADING

PLASTI-BOND REDH₂OT INSTALLATION

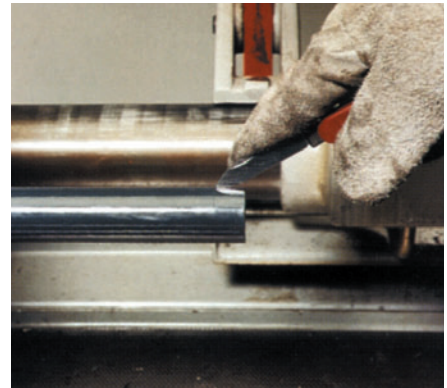
Plasti-Bond REDH₂OT can be threaded with any standard threading tool. Larger model power threaders with open die heads require no modification beyond optional grip inserts for PVC coated conduit.

If a threader with a tight-fitting die head is to be used, like many hand-held models, it is necessary to machine out the interior diameter of the stationary guide approximately 12/100ths of an inch to allow for clearance of the PVC coating. Prior to machining the pipe guide take note of the sequence in which the dies are removed; then replace dies in the proper sequence.

If conduit is to be threaded manually it must be pencil cut before threading to enable the die teeth on the threader to engage the conduit. In the same manner as sharpening a pencil with a knife, cut away 1/4" of the exterior coating from the end to be threaded. This allows the pipe guide to ride up and over the PVC coating enabling the removal of the coating and threading in one operation.

Before threading, by any method, a series of cuts should be made in the PVC coating along the longitudinal axis of the conduit. The thread protector attached to one end of the conduit can be used to gauge the length of the cuts. Make a slit up one side of the thread protector with a knife and remove it from the conduit. Push the thread protector over the cut end of the conduit to be threaded and place a mark on the PVC coating at the end of the protector. With a knife, cut around the circumference of the conduit at the mark, through the PVC coating, to the metal. This cut will indicate the starting point for the longitudinal cuts and it will give an even ending to the PVC coating removed during threading. The longitudinal cuts will allow the PVC coating to be removed in small pieces instead of long strips that can foul the die head causing the conduit to collapse.

Use a good quality thread cutting oil to flush away the metal and PVC chips. After threading use a degreasing spray to thoroughly clean the threads and the interior of the pipe. Use care not to contaminate the cutting oil with the degreasing spray. Degreasing is important in order to insure that the touch up compound will adhere to the unprotected steel. Bare steel is the most vulnerable area to corrosion in any conduit system, therefore, touch up compound must be used on all field cut threads and internal reams. These specially formulated interior and thread touch-up compounds are available in 1 pt cans. When an access fitting or coupling is attached to the newly threaded conduit a colored band (red for Plasti-Bond REDH₂OT), will form at the end of the sleeve. This indicates proper installation procedures have been followed.



A series of cuts should be made along the longitudinal axis of the conduit.

- For safety, always use a fixed or locking-blade knife.



After threading, use a degreasing spray to thoroughly clean the threads and interior of the pipe.



Plasti-Bond Thread Compound must be used on all field cut threads and internal reams.

- Please note: when threading Plasti-Bond Aluminum conduit, always use new die heads, never use the same die head to thread PVC coated aluminum conduit and coated steel conduit.

BENDING

PLASTI-BOND REDH₂OT INSTALLATION

We offer a complete line of standard, special and large radius elbows, ready for quick shipment. When field bending is necessary, there are a variety of bending tools from which to choose. Plasti-Bond REDH₂OT can be bent with conventional types of bending equipment.

To accommodate the PVC coating when using a hand bender: always select the next larger size shoe.

Use a Plasti-Bond hickey to reduce the possibility of damage to the conduit coating when making sharp bends, saddles or offsets.

For optimum results use equipment specially designed for bending PVC coated conduit. When bending Plasti-Bond REDH₂OT with powered equipment, use rubbing alcohol to clean the inside of the shoe and the area of the conduit to be bent.

Never use a lubricant on the shoe or conduit. Lubricants tend to allow the conduit to slip above the center-line of the shoe, resulting in flattening of the elbow.

Major manufacturers of bending equipment offer bending shoes for coated conduit that can be ordered for existing equipment. Acceptable results can be obtained by machining out existing shoes. Use shoes the same size as the conduit to be bent and remove approximately 6/100ths of an inch from the inside of the shoe.



To accommodate the PVC coating when using a hand bender, always use the next larger size shoe. Use a Plasti-Bond coated hickey to reduce the possibility of damage to the conduit coating.



REDH₂OT PRODUCT FLASH

With Plasti-Bond, You'll Get ETL-Verified Performance Together with PVC UL Listed As The Primary Corrosion Protection For Your Conduit!

Plasti-Bond REDH₂OT gives you something very important ...PVC coated conduit that is UL Listed with PVC as the primary corrosion protection. Why is that important? Because PVC is what keeps your conduit safe from corrosive attack. ETL-Verified testing ensures continued performance.

Specialty Services

As experts in anti-corrosion coating technology, we have the ability to custom coat a variety of electrical and related products in addition to those listed in this Buyer's Guide. For additional details consult your Plasti-Bond sales rep or contact the factory direct at 903-843-5591.

ASSEMBLY

PLASTI-BOND REDH₂O_T INSTALLATION

Our engineers, working in conjunction with prominent manufacturers, have developed special tools to aid in installation of Plasti-Bond REDH₂O_T. Plasti-Bond touch up compound is used to repair nicks, cuts, and abrasions to the outer surface of coated conduit. Apply the exterior touch up compound liberally over damaged areas. Because this material will not adhere to bare metal, it is advisable to overlap existing PVC coating. Sometimes it may be necessary to apply several coats in order to obtain adequate coverage. Allow the first coat to dry completely before applying additional coats.

Another application for exterior touch up compound is for use as a sealant at access fitting openings. In wet locations apply the compound to the factory conduit threads at each joint before installation.

Exterior touch up compound is available in pints with a brush top applicator. It is also available in a 12 ounce aerosol can when cosmetic coverage is desired.

Plasti-Bond Z Wrenches are designed to replace standard adjustable pliers. Z wrenches feature extra wide jaws which spread the clamping force enabling the tools to grip securely without marring the surface of the conduit.

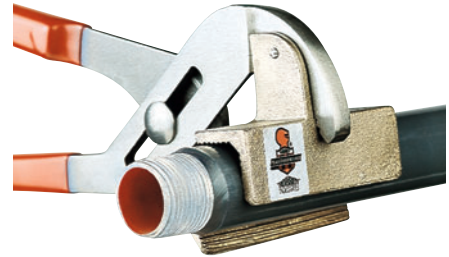
The v-shaped upper jaw allows the wrench to accommodate a wide range of conduit sizes. Shallow grooves in the upper and lower jaws provide an excellent grip. Z Wrenches are available in two sizes to fit 1/2" through 2 1/2" conduit.

With a Plasti-Bond spin-it, conduit can be tightened much faster than with a conventional tool and the spin-it never touches the coating. Labor and time are saved because no touch up is necessary for marks from wrenches or pliers. Spin-its are available in popular conduit sizes 3/4 through 2 inches. Use a 1/2" drive impact or ratchet wrench for 3/4" and 1" conduit and a 3/4" drive impact or ratchet wrench for sizes 1-1/4" through 2".

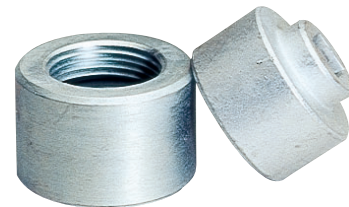
We have designed a special PVC hickey to reduce the possibility of damage during conduit bending. It is available to handle 1/2" and 3/4" conduit.



Plasti-Bond Touch Up compound is available in pints, and in an aerosol spray.



Z Wrenches have extra wide jaws which spread the clamping force.



Spin-It can tighten conduit much faster than conventional tools.

ASSEMBLY

PLASTI-BOND REDH₂OT INSTALLATION

Jaws 3 is a set of three aluminum nickel bronze vise jaws designed to replace the regular jaws in a pipe vise. Jaws 3 protects coated conduit from damage during cutting and threading. These replacement jaws spread the cutting force over a much larger area greatly reducing the possibility of the pipe spinning in the vise during cutting and threading operations. One set of jaws 3 handles 1/2 through 2-1/2" conduit.

When ordering Jaws 3 be sure to specify the vise model you are using.

Use the Plasti-Bond plastic socket and standard 3/8" ratchet to speed up u-bolt and beam clamp installation. The plastic socket prevents abrasion and cracking of encapsulated nuts, which may be caused by pliers or wrenches, and it assures a tight seal between the nut and the saddle. The 3/8" Plasti-sockets fits nuts for 1/2" through 2" clamps. The 5/8" Plasti-sockets fits nuts for 2-1/2" and larger sizes. Both Plasti-sockets fit a standard 3/8" drive ratchet wrench.

Here are some tips to remember when using conventional tools to install Plasti-Bond REDH₂OT.

When a pipe wrench or adjustable pliers must be used, new tools with sharp teeth work best. New tools are less likely to slip and gouge the coating. The same holds true for pipe vises. New, sharp inserts should be installed if the existing ones show signs of wear. Strap wrenches are available from a number of sources and do an adequate job of tightening conduit and couplings without damaging the coatings. Several suppliers offer straps that have been specifically woven and treated to provide an extra strong grip on coated conduit.

Unique innovations included as part of Plasti-Bond REDH₂OT coated conduit system add extra protection. The patented V-seal gasket system on Plasti-Bond REDH₂OT Form 8 conduit sizes 1/2" through 2" effectively seals the fitting with a male-female interlocking groove. V-seal covers are easy to install because of the positive fit, eliminating side to side movement.

Our coated conduit and fittings feature an interior urethane coating (red for Plasti-Bond REDH₂OT). This hard smooth coating allows for easier wire pulling and will not crack or chip. The interior coating needs no heat or special considerations when field bending.



Jaws 3 was designed to protect Plasti-Bond REDH₂OT conduit from damage by vise jaws during conduit bending.



Prevent damage to encapsulated nuts by using the Plasti-Socket.



We developed Half Shell Clamps to protect a large surface area when conduit is clamped

ASSEMBLY

PLASTI-BOND REDH₂OT INSTALLATION

Matching couplings are offered as a standard part of the system. The molded ribs protect the coating from cuts and abrasions caused by the teeth of wrenches and pliers. Since damage is minimized and the bare metal is never exposed, touch up operations are eliminated. Ribbed couplings are also easier to install. They can be tightened easily by hand and strap wrenches grip the ribs better.

Pressure sealing sleeves are present at all female openings. Here's an important tip to remember. Never cut the sleeves from Plasti-Bond fittings. These sleeves are necessary at all joints to seal out corrosion. However in some joints it is necessary to remove a portion of the sleeve. An example of this is the junction of a conduit, close nipple, and a union where both pressure sealing sleeves will not fit over the close nipple. In this case: cut away 1/2 of each sleeve and apply touch up compound to the threads.

Encapsulated nuts for U-bolts and specially formed saddles on right angle beam clamps are other unique features offered as part of the Plasti-Bond system. U-bolts are made to fit snugly on conduit, and each nut is encapsulated in plastic. A sleeve covers the U-bolt threads, sealing out corrosive elements.

Encapsulated screws are provided with all Form 8 conduit bodies. They prevent corrosive elements from attacking the stainless steel fastener used to attach the cover to the body, and help to seal out corrosive liquids from the screw opening. A nut driver or socket is recommended for installing the encapsulated screws.

- Buy Plasti-Bond PVC coated galvanized rigid conduit and fittings.
- Install them with the proper tools and follow proven procedures.
- Expect a superior, long lasting corrosion resistant system that pays for itself with lower maintenance costs and reduced down time.

Plasti-Bond REDH₂OT... you can install it and forget it.



The V Seal™ gasket system on form 8 condulets sizes 1/2" through 2" effectively seals the fitting with a male female interlocking groove.



Ribbed couplings are offered as a standard part of the Plasti-Bond REDH₂OT conduit system.



Encapsulated screws are provided on all form 8 condulets.

TECHNICAL INFORMATION

URETHANE INTERIOR COATING CHEMICAL RESISTANCE CHART

SOLUTIONS	CONC.	TEMP.	RECOMMENDED EXPOSURE		
			FUMES	SPLASH	IMMERSION
Acetic Acid	10%	75° F	YES	YES	NO
Acid Copper Plating Sol.	Any	75° F	YES	YES	NO
Alkaline Cleaners	Any	75° F	YES	YES	NO
Aluminum Chloride	Sat'd	75° F	YES	YES	NO
Aluminum Sulfate	Sat'd	75° F	YES	YES	NO
Alums	Sat'd	75° F	YES	YES	NO
Ammonium Chloride	Sat'd	75° F	YES	YES	NO
Ammonium Hydroxide	28%	75° F	YES	YES	NO
Ammonium Hydroxide	10%	75° F	YES	YES	NO
Ammonium Sulfate	Sat'd	75° F	YES	YES	NO
Ammonium Thiocyanate	Sat'd	75° F	YES	YES	NO
Amyl Alcohol	Sat'd	75° F	YES	YES	YES
Arsenic Acids	Any	75° F	YES	YES	NO
Barium Sulfide	Sat'd	75° F	YES	YES	NO
Black Liquor	Sat'd	75° F	YES	YES	NO
Benzoic Acid	Sat'd	75° F	YES	YES	NO
Brass Plating Solution	Sat'd	75° F	YES	YES	NO
Bromine Water	Sat'd	75° F	YES	YES	NO
Butyl Alcohol	Any	75° F	YES	YES	NO
Cadmium Plating Sol.	Any	75° F	YES	YES	NO
Cadmium Bisulfate	Any	75° F	YES	YES	NO
Calcium Chloride	Sat'd	75° F	YES	YES	NO
Calcium Hypochlorite	Sat'd	75° F	YES	YES	NO
Carbonic Acid	Sat'd	75° F	YES	YES	NO
Casein	Any	75° F	YES	YES	NO
Castor Oil	Any	75° F	YES	YES	YES
Caustic Soda	35%	75° F	YES	YES	NO
Caustic Soda	10%	75° F	YES	YES	NO
Caustic Potash	35%	75° F	YES	YES	NO
Caustic Potash	10%	75° F	YES	YES	NO
Chlorine Water	Sat'd	75° F	YES	YES	NO
Chromium Plating Sol.	Any	75° F	YES	YES	NO
Citric Acid	Sat'd	75° F	YES	YES	NO
Copper Chloride	Sat'd	75° F	YES	YES	NO
Copper Cyanide Plating Sol.	Any	75° F	YES	YES	NO
Copper Sulfate	Sat'd	75° F	YES	YES	NO
Coconut Oil	Sat'd	75° F	YES	YES	YES
Cottonseed Oil	Sat'd	75° F	YES	YES	YES
Disodium Phosphate	Sat'd	75° F	YES	YES	NO
Ethyl Alcohol	Any	75° F	YES	YES	NO
Ethylene Glycol	Any	75° F	YES	YES	YES
Ferrous Sulfate	Sat'd	75° F	YES	YES	NO
Fluoboric Acid	Any	75° F	YES	YES	NO
Formaldehyde	37%	75° F	YES	YES	NO
Formic Acid	85%	75° F	YES	YES	NO
Gallic Acid	Sat'd	75° F	YES	YES	NO
Glucose	Any	75° F	YES	YES	YES
Glycerine	Any	75° F	YES	YES	YES
Gold Plating Solution	Any	75° F	YES	YES	NO
Hydrochloric Acid	10%	75° F	YES	YES	NO
Hydrochloric Acid	21.5%	75° F	YES	YES	NO
Hydrochloric Acid	37.5%	75° F	YES	YES	NO
Hydrofluoric Acid	4%	75° F	YES	YES	NO
Hydrofluoric Acid	10%	75° F	YES	YES	NO
Hydrofluoric Acid	48%	75° F	YES	YES	NO
Hydrogen Peroxide	30%	75° F	YES	YES	NO
Hydroquinone	Any	75° F	YES	YES	NO
Indium Plating Solution	Any	75° F	YES	YES	NO
Lactic Acid	Any	75° F	YES	YES	NO
Lead Plating Solution	Any	75° F	YES	YES	NO

SOLUTIONS	CONC.	TEMP.	RECOMMENDED EXPOSURE		
			FUMES	SPLASH	IMMERSION
Malic Acid	Any	75° F	YES	YES	NO
Methyl Alcohol	Any	75° F	YES	YES	NO
Mineral Oils	Any	75° F	YES	YES	YES
Nickel Acetate	Sat'd	75° F	YES	YES	NO
Nickel Plating Solution	Any	75° F	YES	YES	NO
Nickel Salts	Sat'd	75° F	YES	YES	NO
Nitric Acid	35%	75° F	YES	YES	NO
Nitric Acid	40%	75° F	YES	YES	NO
Nitric Acid	60%	75° F	YES	YES	NO
Nitric/Hydrofluoric Acid	15%/4%	75° F	YES	YES	NO
Nitric Acid/Sodium Dichromate					
Water	16%/13%/71%	75° F	YES	YES	NO
Oleic Acid	Any	75° F	YES	YES	NO
Oxalic Acid	Any	75° F	YES	YES	NO
Phenol	Sat'd	75° F	YES	YES	NO
Phosphoric Acid	75%	75° F	YES	YES	NO
Phosphoric Acid	85%	75° F	YES	YES	NO
Potassium Acid Sulfate	Sat'd	75° F	YES	YES	NO
Potassium Antimonate	Sat'd	75° F	YES	YES	NO
Potassium Bisulfite	Sat'd	75° F	YES	YES	NO
Potassium Chloride	Sat'd	75° F	YES	YES	NO
Potassium Cuprocyanide	Sat'd	75° F	YES	YES	NO
Potassium Cyanide	Sat'd	75° F	YES	YES	NO
Potassium Dichromate	Sat'd	75° F	YES	YES	NO
Potassium Hypochlorate	Sat'd	75° F	YES	YES	NO
Potassium Sulfide	Sat'd	75° F	YES	YES	NO
Potassium Thiosulfate	Sat'd	75° F	YES	YES	NO
Propyl Alcohol	Sat'd	75° F	YES	YES	NO
Rhodium Plating Solution	Sat'd	75° F	YES	YES	NO
Silver Plating Solution	Sat'd	75° F	YES	YES	NO
Soaps	Any	75° F	YES	YES	NO
Sodium Acid Sulfate	Sat'd	75° F	YES	YES	NO
Sodium Antimonate	Sat'd	75° F	YES	YES	NO
Sodium Bicarbonate	Sat'd	75° F	YES	YES	NO
Sodium Bisulfite	Sat'd	75° F	YES	YES	NO
Sodium Chloride	Sat'd	75° F	YES	YES	NO
Sodium Cyanide	Sat'd	75° F	YES	YES	NO
Sodium Dichromate	Sat'd	75° F	YES	YES	NO
Sodium Hydroxide	10%	75° F	YES	YES	NO
Sodium Hydroxide	35%	75° F	YES	YES	NO
Sodium Hydroxide	73%	75° F	YES	YES	NO
Sodium Hypochlorite	Sat'd	75° F	YES	YES	NO
Sodium Hypochlorite	15%	75° F	YES	YES	NO
Sodium Sulfide	Sat'd	75° F	YES	YES	NO
Sodium Thiosulfate	Sat'd	75° F	YES	YES	NO
Sulfuric Acid	15%	75° F	YES	YES	NO
Sulfuric Acid	50%	75° F	YES	YES	NO
Sulfuric Acid	70%	75° F	YES	YES	NO
Sulfuric Acid	98%	75° F	YES	YES	NO
Sulfurous Acid	2%	75° F	YES	YES	NO
Sulfurous Acid	4%	75° F	YES	YES	NO
Tannic Acid	Sat'd	75° F	YES	YES	NO
Tartaric Acid	Sat'd	75° F	YES	YES	NO
Tin Chloride	Sat'd	75° F	YES	YES	NO
Tin Plating Solution	Sat'd	75° F	YES	YES	NO
Triethanolamine	Sat'd	75° F	YES	YES	NO
Trisodium Phosphate	Sat'd	75° F	YES	YES	NO
White Liquor	Sat'd	75° F	YES	YES	NO
Zinc Plating Solution	Sat'd	75° F	YES	YES	NO
Zinc Sulfate	Sat'd	75° F	YES	YES	NO

TECHNICAL INFORMATION

PVC EXTERIOR COATING CHEMICAL RESISTANCE CHART

SOLUTIONS	CONC.	TEMP.	RECOMMENDED EXPOSURE		
			FUMES	SPLASH	IMMERSION
Acetic Acid	10%	120	NO	NO	NO
Acid Copper Plating Sol.		160	YES	YES	YES
Alkaline Cleaners		160	YES	YES	YES
Aluminum Chloride	Sat'd	160	YES	YES	YES
Aluminum Sulfate	Sat'd	160	YES	YES	YES
Alums	Sat'd	160	YES	YES	YES
Ammonium Chloride	Sat'd	160	YES	YES	YES
Ammonium Hydroxide	28%	120	YES	YES	YES
Ammonium Hydroxide	10%	120	YES	YES	YES
Ammonium Sulfate	Sat'd	160	YES	YES	YES
Ammonium Thiocyanate	Sat'd	160	YES	YES	YES
Amyl Alcohol	Any	90	YES	YES	YES
Arsenic Acids	Any	150	YES	YES	YES
Barium Sulfide	Sat'd	160	YES	YES	YES
Black Liquor	Sat'd	90	YES	YES	YES
Benzoic Acid	Sat'd	160	YES	YES	YES
Brass Plating Solution	Any	160	YES	YES	YES
Bromine Water	Sat'd	120	YES	YES	YES
Butyl Alcohol	Any	90	YES	YES	YES
Cadmium Plating Sol.	Any	150	YES	YES	YES
Cadmium Bisulfate	Any	150	YES	YES	YES
Calcium Chloride	Sat'd	160	YES	YES	YES
Calcium Hypochlorite	Sat'd	120	YES	YES	YES
Carbonic Acid	Sat'd	160	YES	YES	YES
Casein	Any	90	YES	YES	YES
Castor Oil	Any	90	YES	YES	YES
Caustic Soda	35%	120	YES	YES	YES
Caustic Soda	10%	150	YES	YES	YES
Caustic Potash	35%	120	YES	YES	YES
Caustic Potash	10%	150	YES	YES	YES
Chlorine Water	Sat'd	90	YES	YES	YES
Chromium Plating Sol.	Any	150	YES	YES	YES
Citric Acid	Sat'd	160	YES	YES	YES
Copper Chloride	Sat'd	160	YES	YES	YES
Copper Cyanide Plating Sol.	Any	160	YES	YES	YES
(High Speed)	Any	180	YES	YES	YES
(with Alkali Cyanides)	Sat'd	160	YES	YES	YES
Copper Sulfate	Sat'd	160	YES	YES	YES
Coconut Oil	Sat'd	90	YES	YES	YES
Cottonseed Oil	Sat'd	90	YES	YES	YES
Disodium Phosphate	Sat'd	160	YES	YES	YES
Ethyl Alcohol	Any	90	YES	YES	YES
Ethylene Glycol	Any	90	YES	YES	NO
Ferric Chloride	45%	120	YES	YES	YES
Ferrous Sulfate	Sat'd	150	YES	YES	YES
Fluoboric Acid	Any	150	YES	YES	YES
Formaldehyde	37%	120	YES	YES	YES
Formic Acid	85%	100	NO	NO	NO
Gallic Acid	Sat'd	150	YES	NO	NO
Glucose	Any	150	YES	YES	YES
Glycerine	Any	90	YES	YES	YES
Gold Plating Solution	Any	150	YES	YES	YES
Hydrochloric Acid	10%	120	YES	YES	YES
Hydrochloric Acid	21.5%	120	YES	YES	YES
Hydrochloric Acid	37.5%	120	YES	YES	NO
Hydrochloric Acid	37.5%	90	YES	YES	NO
Hydrofluoric Acid	4%	140	YES	YES	NO
Hydrofluoric Acid	10%	120	YES	YES	NO
Hydrofluoric Acid	48%	120	YES	YES	NO
Hydrogen Peroxide	30%	120	YES	YES	YES
Hydrogen Sulfide	Sat'd	120	YES	YES	YES
Hydroquinone	Any	90	YES	YES	YES
Indium Plating Solution	Any	150	YES	YES	YES

SOLUTIONS	CONC.	TEMP.	RECOMMENDED EXPOSURE		
			FUMES	SPLASH	IMMERSION
Lactic Acid	50%	120	YES	YES	YES
Lactic Acid	Any	90	YES	YES	YES
Lead Plating Solution	Any	150	YES	YES	YES
Malic Acid	Any	90	YES	YES	YES
Methyl Alcohol	Any	90	YES	YES	YES
Mineral Oils	Any	90	YES	YES	YES
Nickel Acetate	Sat'd	160	YES	YES	YES
Nickel Plating Solution		160	YES	YES	YES
Nickel Salts	Sat'd	160	YES	YES	YES
Nitric Acid	35%	120	YES	YES	NO
Nitric Acid	40%	90	YES	YES	NO
Nitric Acid	60%	120	YES	YES	NO
Nitric/Hydrofluoric Acid	15%/4%	140	YES	YES	YES
Nitric Acid/Sodium Dichromate					
Water	16%/13%/71%	130	YES	YES	YES
Oleic Acid	Any	90	YES	YES	YES
Oxalic Acid		90	YES	YES	YES
Phenol	Sat'd	120	NO	NO	NO
Phosphoric Acid	75%	150	YES	YES	YES
Phosphoric Acid	85%	120	YES	YES	YES
Potassium Acid Sulfate	Sat'd	150	YES	YES	YES
Potassium Antimonate	Sat'd	150	YES	YES	YES
Potassium Bisulfite	Sat'd	90	YES	YES	YES
Potassium Chloride	Sat'd	160	YES	YES	YES
Potassium Cuprocyanide	Sat'd	150	YES	YES	YES
Potassium Cyanide	Sat'd	160	YES	YES	YES
Potassium Dichromate	Sat'd	160	YES	YES	YES
Potassium Hypochlorate	Sat'd	90	YES	YES	NO
Potassium Sulfide	Sat'd	150	YES	YES	YES
Potassium Thiosulfate	Sat'd	150	YES	YES	YES
Propyl Alcohol	Sat'd	150	YES	YES	YES
Rhodium Plating Solution	Sat'd	150	YES	YES	YES
Silver Plating Solution	Sat'd	150	YES	YES	YES
Soaps	Any	90	YES	YES	YES
Sodium Acid Sulfate	Sat'd	160	YES	YES	YES
Sodium Antimonate	Sat'd	150	YES	YES	YES
Sodium Bicarbonate	Sat'd	160	YES	YES	YES
Sodium Bisulfite	Sat'd	90	YES	YES	YES
Sodium Chloride	Sat'd	160	YES	YES	YES
Sodium Cyanide	Sat'd	160	YES	YES	YES
Sodium Dichromate	Sat'd	160	YES	YES	YES
Sodium Hydroxide	10%	150	YES	YES	NO
Sodium Hydroxide	35%	120	YES	YES	NO
Sodium Hydroxide	73%	160	NO	NO	NO
Sodium Hypochlorite	Sat'd	90	YES	YES	NO
Sodium Hypochlorite	15%	120	YES	YES	NO
Sodium Sulfide	Sat'd	150	YES	YES	YES
Sodium Thiosulfate	Sat'd	150	YES	YES	YES
Sulfuric Acid	15%	120	YES	YES	YES
Sulfuric Acid	50%	120	YES	YES	YES
Sulfuric Acid	70%	90	YES	YES	NO
Sulfuric Acid	98%	100	YES	NO	NO
Sulfurous Acid	2%	120	YES	YES	NO
Sulfurous Acid	6%	120	YES	YES	NO
Tannic Acid	Sat'd	90	YES	YES	YES
Tartaric Acid	Sat'd	90	YES	YES	YES
Tin Chloride	Sat'd	150	YES	YES	YES
Tin Plating Solution	Sat'd	150	YES	YES	YES
Triethanolamine	Sat'd	150	YES	YES	YES
Trisodium Phosphate	Sat'd	150	YES	YES	YES
White Liquor	Sat'd	90	YES	YES	YES
Zinc Plating Solution		160	YES	YES	YES
Zinc Sulfate	Sat'd	160	YES	YES	YES

TECHNICAL INFORMATION

PLASTI-BOND REDH₂OT SPECIFICATION

1. The PVC coated galvanized rigid conduit must be UL Listed. The PVC coating must have been investigated by UL as providing the primary corrosion protection for the rigid metal conduit. Ferrrous fittings for general service locations must be UL Listed with PVC as the primary corrosion protection. Hazardous location fittings, prior to plastic coating must be UL listed. All conduit and fittings must be new, unused material. Applicable UL standards may include: UL 6 Standard for Safety, Rigid Metal Conduit, UL514B Standard for Safety, Fittings for Conduit and Outlet Boxes.
2. The PVC coated galvanized rigid conduit must be ETL Verified to the Intertek ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours. The PVC coated galvanized rigid conduit must bear the ETL Verified PVC-001 label to signify compliance to the adhesion performance standard.
3. The conduit shall be hot dip galvanized inside and out with hot galvanized threads.
4. A PVC sleeve extending one pipe diameter or two inches, whichever is less, shall be formed at every female fitting opening except unions. The inside sleeve diameter shall be matched to the outside diameter of the conduit.
5. The PVC coating on the outside of conduit couplings shall have a series of longitudinal ribs 40 mils in thickness to protect the coating from tool damage during installation.
6. Form 8 Condulets, 1/2" through 2" diameters, shall have a tongue-in-groove gasket to effectively seal against the elements. The design shall be equipped with a positive placement feature to ease and assure proper installation. Certified results confirming seal performance at 15 psig (positive) and 25 in. of mercury (vacuum) for 72 hours shall be available.
7. Form 8 Condulets shall be supplied with plastic encapsulated stainless steel cover screws.
8. A red urethane coating shall be uniformly and consistently applied to the interior of all conduit and fittings. This internal coating shall be a nominal 2 mil thickness. Conduit or fittings having areas with thin or no coating shall be unacceptable.
9. The PVC exterior and urethane interior coatings applied to the conduit shall afford sufficient flexibility to permit field bending without cracking or flaking at temperatures above 30°F (-1°C).
10. All male threads on conduit, elbows and nipples shall be protected by application of a urethane coating.
11. All female threads on fittings or conduit couplings shall be protected by application of a urethane coating.
12. Independent certified test results shall be available to confirm coating adhesion under the following conditions:
 - A. Conduit and conduit exposure to 150°F (65°C) and 95% relative humidity with a minimum mean time to failure of 30 days. (ASTM D1151)
 - B. The interior coating bond shall be confirmed using the Standard Method of Adhesion by Tape Test (ASTM D3359).
 - C. No trace of the internal coating shall be visible on a white cloth following six wipes over the coating which has been wetted with acetone (ASTM D1308).
 - D. The exterior coating bond shall be confirmed using the methods described in Section 3.8, NEMA RN1. After these tests the physical properties of the exterior coating shall exceed the minimum requirements specified in Table 3.1, NEMA RN1.
13. Right angle beam clamps and U bolts shall be specially formed and sized to snugly fit the outside diameter of the coated conduit. All U bolts will be supplied with plastic encapsulated nuts that cover the exposed portions of the threads.
14. Installation of the Plasti-Bond Conduit System shall be performed in accordance with the Plasti-Bond Installation Manual. To assure correct installation, the installer shall be certified by Plasti-Bond to install coated conduit.
15. Approved Material: Plasti-Bond Coated galvanized rigid conduit and Fittings as manufactured by Plasti-Bond, Gilmer, Texas. Any deviation from the above specifications must be approved by the engineer/owner.

PLASTI-BOND REDH₂OT ABRIDGED SPECIFICATION

The PVC coated galvanized rigid conduit must be UL Listed. The PVC coating must have been investigated by UL as providing the primary corrosion protection for the rigid metal conduit. The PVC coated conduit must be ETL Verified to the Intertek ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours. The PVC coated conduit must bear the ETL Verified PVC-001 label to signify compliance to the adhesion performance standard. Ferrrous fittings for general service locations must be UL Listed with PVC as the primary corrosion protection. Hazardous location fittings, prior to plastic coating must be UL listed. All conduit and fittings must be new, unused material. Applicable UL standards may include: UL 6 Standard for Safety, Rigid Metal Conduit, UL514B Standard for Safety, Fittings for Conduit and Outlet Boxes. Conduit and fittings shall be evaluated for reliability and performance.

Certified test results are the respective test data that have been witnessed and certified to be accurate by an independent, recognized third party.

1. Acceptable conduit and fitting PVC bonds shall be confirmed with a minimum average of 30 days in a heat and humidity test (ASTM D1151 and D2247) with the temperature at 150°F (66°C) and 95% relative humidity.
2. Acceptable seal performance shall be confirmed at 15 psig (positive) and 25 in. of mercury (vacuum) for 72 hours. Contact local PLASTI-BOND Sales Representatives for third party testing certification and procedure methods.

TECHNICAL INFORMATION

PLASTI-BOND REDH₂OT PERFORMANCE STANDARDS/DESCRIPTIONS

Exterior PVC and interior urethane coating performance shall be confirmed by the characteristics and tests listed below. Test samples shall be selected at random.

FLAMMABILITY

The PVC coating will burn if subjected to sustained flame or heat above 400°F, however, it will self extinguish upon removal of the heat source or flame.

TOXICITY

Prolonged exposure to heat greater than 200°F or exposure to fire may cause the PVC coating to release harmful emissions which could pose a potential health hazard. Therefore, PVC use is not recommended in areas exposed to sustained temperatures above 200°F. If exposed to fire, particularly in closed areas, users should be aware and observe proper caution.

BOIL TEST

Acceptable conduit coating bonds shall be confirmed if there is no disbondment after a minimum average of 200 hours in boiling water or exposure to steam vapor at one atmosphere. The periodic increments between bond tests shall not exceed 5 hours for the first 25 hours, then it may be lengthened by mutual consent. The RN1 Bond Test and the Standard Method for Measuring Adhesion by Tape Test shall be utilized.

Exterior Adhesion

A 6" length of conduit test specimen shall be placed in boiling water. The specimen shall be periodically removed, cooled to ambient temperature and immediately tested according to the bond test (RN1). When the PVC coating separates from the substrate, the boil time to failure in hours shall be recorded. ASTM D870 describes this test method for accelerated testing of coating adhesive bonds.

Interior Adhesion

A 6" conduit test specimen shall be cut in half longitudinally and placed in boiling water or directly above boiling water with the urethane surface facing down. The specimen shall be periodically removed, cooled to ambient temperature and tested in accordance with the Standard Method of Adhesion by Tape Test (ASTM D3359). When the coating disbonds, the time to failure in hours shall be recorded.

HEAT/HUMIDITY TEST

Acceptable conduit coating bonds shall be confirmed by a minimum average of 30 days in the Heat and Humidity Test. The periodic increment between bond tests shall not exceed 5 days for the first 30 days, then may be lengthened by mutual consent. The RN1 Bond Test and the Standard Method for Measuring Adhesion by Tape Test shall be utilized.

Exterior Adhesion

Conduit specimens shall be placed in a heat and humidity environment where the temperature is maintained at 150°F (66°C) and 95% relative humidity. The specimens shall be periodically removed and a bond test (RN1) performed. When the PVC coating separates from the substrate, the exposure time to failure in days shall be recorded. ASTM D1151, D1735, D2247 AND D4585 are the basis for this accelerated method of evaluating adhesive bonding.

Interior Adhesion

The conditions for interior adhesion testing of conduit specimens are the same as those for external adhesion. ASTM D3359 is used to determine adhesive failure.

ETL-VERIFIED PVC-001:

The PVC coating adhesion performance of this product has been ETL verified to the Interek ETL SEMKO High Temperature H₂O PVC Coating Adhesion Test Procedure for 200 hours.

CHEMICAL RESISTANCE TEST

No trace of the internal coating shall be visible on a white cloth following six wipes over the coating which has been wetted with acetone (ASTM D1308).

POLYURETHANE

The supplier shall confirm that the internal coating which meets the above condition is a polyurethane.

Plasti-Bond has used the American Society for Testing and Materials (ASTM) standards to provide comparable and consistent test data. A list of ASTM standards referenced in the Plasti-Bond REDH₂OT Coated Conduit Specification appears below.

ASTM D149

Test Methods for Dielectric Breakdown Voltage and Dielectric Strength of Solid Electrical Insulating Materials at Commercial Power Frequencies

ASTM D638

Test Method for Tensile Properties of Plastics

ASTM D746

Test Method for Brittleness Temperature of Plastics and Elastomers by Impact

ASTM D870

Method for Water Immersion Test of Organic Coatings on Steel

ASTM D1151

Test Method for Effect of Moisture and Temperature on Adhesive Bonds

ASTM D1735

Method for Water Fog Testing of Organic Coatings

ASTM D2240

Test Method for Rubber Property-Durometer Hardness

ASTM D2247

Method of Testing Coated Metal Specimens at 100% Relative Humidity

ASTM D3359

Method for Measuring Adhesion by Tape Test

ASTM D4585

Testing Water Resistance of Coatings Using Controlled Condensation

ASTM G23

Recommended Practice for Operating Light-and-Water-Exposure Apparatus (Carbon-Arc Type) for Exposure of Non-Metallic Materials

ASTM D1308

Effect of Chemicals on Clear and Pigmented Organic Finishes

Plasti-Bond REDH₂OT

PR-108

Price: \$5.00

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