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Certificate of Compliance

This is a certificate of compliance to certify that the bearer has successfully completed the requirements of the above scheme which include the testing of products, the initial assessment, and are subject to continuing annual assessments of their compliance and testing of samples of products taken from production (as applicable to the scheme) and has been registered within the scheme for the products detailed.

You have been awarded:

OPL Mark and Intertek ETL C + US Mark for Fire Resistant Duct, Firestop Systems

Standards: ISO 6944 (1985), ASTM E136 (2004), ASTM C518 (2004), ASTM E2336 Sections 5.4 and 5.5 (2004), ASTM E2336 Section 16.5 (2004), ICC-ES AC101 Section 4.5 (2001), ASTM E2336 (2016), ASTM E2816 (2018), CAN / ULC S115 (2011), ASTM E814 (2011a), ASTM E119 (2012), ASTM E136 (2011), CAN / ULC S144 (2012), ASTM E814 (2013a), ASTM E814 (2008b), ASTM E136 (2009), ASTM E119 (2010), ASTM E814 (2010), ASTM E119 (2010b), ASTM C518 (2010), ICC-ES AC101 Section 4.4 (2001), ASTM E2336 Section 16.4 (2004), ASTM E119 (2008a), ASTM E2336 Section 15 (2004), ASTM E2336 (2004), ICC-ES AC101 (2001)

Certificate number: WHI13 - 20265303

Organization: 3M
3M Center
St. Paul, MN 55144
United States

Product: 3M Fire Barrier Duct Wrap 615+
Spec ID: 29729
Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc.
Initial registration: January 24th, 2013
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Authorized By: _____
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LISTING INFORMATION

This specification covers 3M Fire Barrier® Duct Wrap 615+ and 3M Fire Barrier Duct Wrap Collar 615+ products.

PRODUCT DESCRIPTION

The 3M Fire Barrier® Duct Wrap 615+ and 3M Fire Barrier Duct Wrap Collar 615+ are nominal 6-pcf blanket that is encapsulated on all sides with a polypropylene/scrim/foil or an aluminized polyester/scrim/foil material. The 3M Fire Barrier® Duct Wrap 615+ blanket is a high-temperature body-soluble fiber that utilizes a spinning technology to create a fiber with thermal and mechanical properties. This fiber is made from a blend of calcium, silica and magnesium having the ability to support maximum temperatures up to 1200°C. 3M Fire Barrier® Duct Wrap 615+ products are produced in an ISO-9002-certified facility where bulk, double-needled blanket and modules are manufactured. The 3M Fire Barrier® Duct Wrap 615+ family of products can be used in a variety of applications including refractory linings, thermal insulation, metals transfers and fire protection. Reference the Intertek Third Party Quality Control Manual located in the Quality Control Tab of this listing for further specifications.

Only the thickness and density of the materials designated in Intertek Product and Design Listings are certified.

RATINGS

Standard	Rating	Design Number
ISO 6944 (1985) Duct A only	1 hour (Stability, Insulation, and Integrity)	3MU/DI 60-01
ASTM E 814	· F-Rating – 1 hour · T-Rating – 1 hour*	
ISO 6944 (1985) Duct A only	2 hour (Stability, Insulation, and Integrity)	3MU/DI 120-01
ASTM E 814	· F-Rating – 2 hour · T-Rating – 2 hour*	
ASTM E 2336 and ICC-ES AC101	· Noncombustibility (ASTM E 136): Pass · Fire Resistance (ASTM E 119): 2 hour · Durability (ASTM C 518 modified): Pass · Internal Fire Test: 4 hr @ 500°F and 30 minutes @ 2000°F – Pass · Fire-Engulfment Test (ASTM E 119 Exposure) – 2 hour	3MU/FRD 120-18
ASTM E 2336 and ICC-ES AC101	· Noncombustibility (ASTM E 136): Pass · Fire Resistance (ASTM E 119): 2 hour · Durability (ASTM C 518 modified): Pass · Internal Fire Test: 4 hr @ 500°F and 30 minutes @ 2000°F – Pass · Fire-Engulfment Test (ASTM E 119	3MU/FRD 120-19

	Exposure) – 2 hour	
ICC-ES AC101 (2001) Section 4.5 Fire-Engulfment	2 hour	3MU/FRD 120-10
ICC-ES AC101 (2001) Section 4.5 Fire-Engulfment	2 hour	3MU/FRD 120-11
CAN/ULC S144	Internal Fire Test -Pass; Fire Engulfment Test - 2 hour fire rating	3MU/BI 120-03
ASTM E814	F-Rating - 120 Minutes T-Rating - 120 Minutes	3MU/BI 120-04
CAN/ULC-S115	F, FT-Rating - 120 Minutes FH, FTH-Rating - 120 Minutes	3MU/BI 120-04
ASTM E814	F-Rating - 120 Minutes T-Rating - 120 Minutes	3MU/BI 120-05
CAN/ULC-S115	F, FT-Rating - 120 Minutes FH, FTH-Rating - 120 Minutes	3MU/BI 120-05
ASTM E2816	Rating - 60 Minutes Condition D	3MU/DI 60-03
ASTM E814	F-Rating - 60 Minutes T-Rating - 60 Minutes	3MU/DI 60-03

*Note: T-Rating is zero for installation through a fire-rated shaft wall with insulated duct on outside of fire-rated shaft assembly and un-insulated duct on the inside of the shaft assembly, and when the fire exposure is from the side with the insulated duct.

Certified Products can be identified by the Omega Point Laboratories (OPL), Warnock Hersey (WH), or ETL Certification Mark