



VINYL SHEET FLOORING



Connection CORLON® inlaid vinyl sheet flooring



[Between us, ideas become reality.]®

COMMERCIAL

FLOORING

Vinyl Sheet Flooring

Connection CORLON® inlaid vinyl sheet flooring

Experience the Proven Cost Advantages of CORLON

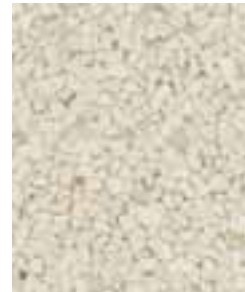
Step up to the design and performance advantages of vinyl sheet with Connection CORLON flooring. Now with a consistent visual and new, distinctive neutrals and jewel-tone accents for design flexibility, Connection CORLON flooring also has a backing that improves dimensional stability and installation over concrete slabs.

- A new seaming system offers a simpler and more cost effective method of installation.
- Designed for health care, education, retail and institutional interiors and also an ideal fit for Main Street.
- Can also be integrated with Armstrong's installation accessories, including vinyl and rubber wall base, stair accessories and transition strips.



NOTE: Darker-colored patterns may be susceptible to scratch whitening. These colors may require more frequent maintenance if used in field areas: 88700, 88701, 88728, 88735, 88736, 88738.

CONNECTION CORLON INLAID SHEET



88724 porcelain



88731 light gold



88702 white cliffs



88712 limestone



88701 granite gray



88725 natural stone



88700 anthracite



88717 otter gray





88705 devon beige



88703 desert sand



88704 stone harbor



88728 bittersweet



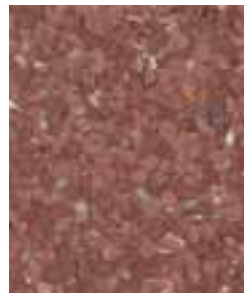
88726 nougatine



88732 yellow gold



88734 terracotta



88735 red glow



88727 fall brown



88733 amber



88729 blue yonder



88736 blue dream



88713 sandstone



88737 azure gray



88730 ocean green



88738 green olive



Specification Data

Connection CORLON® inlaid vinyl sheet flooring

ARMSTRONG FLOOR PRODUCTS
 Armstrong World Industries, Inc.
 P.O. Box 3001
 Lancaster, PA 17604 U.S.A.

Armstrong World Industries Canada Ltd.
 6911 Decarie Blvd.
 Montreal, Quebec H3W 3E5 Canada

1. PRODUCT NAME

Armstrong Connection CORLON inlaid sheet flooring

2. PRODUCT DESCRIPTION

Material

A polyurethane-coated wear layer composed of polyvinyl chloride resin, stabilizers, filler and pigments on a backing suitable for use on approved subfloors on all grade levels.

Construction and Colors

Random, multisized vinyl chips embedded in a vinyl matrix. Color and pattern detail are dispersed throughout the thickness of the wear layer. Color pigments are insoluble in water and resistant to cleaning agents and light.

Size

6.0 ft. (1.83 m) wide, up to 94.5 ft. (28.8 m) long

Gauge (nominal)

0.080 in. (2.0 mm) overall
 0.050 in. (1.27 mm) wear layer

Limitations

Connection CORLON should not be used in the following areas:

- Hospital operating rooms
- Heavy industrial and exterior areas.
- Commercial kitchens and commercial food processing areas.
- Where pointed spikes such as golf or track shoes will be used.
- Where the floor will be subjected to unusually concentrated static or dynamic loads.

NOTE: Concentrated static and dynamic loads such as hospital beds, roll-out bleachers, portable X-ray machines, etc. may visibly damage resilient as well as other types of floor coverings. For questions regarding product suitability and detailed instructions for floor preparation and installation in these applications, please contact Armstrong.

Suitable for Application Over

- Concrete, terrazzo, and other dry, structurally sound monolithic subfloors on all grade levels.
- Suspended wood subfloor construction with approved wood underlayments, and a minimum of 18 in. (45.7 cm) well-ventilated air space below.
- Most metal floors and most existing single-layer resilient floors on approved underlayments.
- Radiant-heated subfloors with a maximum surface temperature of 85° F (29° C).

Unsuitable for Application Over

- Subfloors where excessive moisture or alkali is present.
- Sleeper-constructed wood subfloors
- Lightweight aggregate concrete subfloors having a density of less than 90 lbs. per cu. ft. (1442 kg/m³) or cellular concrete having a plastic (wet) density less than 100 lbs. per cu. ft. (1602 kg/m³) [94 lbs. per cu. ft. (1506 kg/m³) dry weight] or concrete having a compressive strength of less than 3500 psi (24 MPa). Concrete slabs with heavy static and/or dynamic loads should have higher design strengths and densities calculated to accommodate such loads.

Concrete curing agents, sealers, hardeners, or parting agents should be removed.

3. TECHNICAL DATA

Shipping Weight

6.0 lbs./sq. yd. (3.3 kg/m²)

Gloss (typical value)

60 degrees specular: approximately 5-15

Reference Specifications

ASTM F 1303, Type II, Grade 1, Class A backing.
 Backing is suitable for installation on all grade levels.

Static Load Limit

ASTM F 970 (modified)
 500 lbs./sq. in. (35.16 kg/cm²)
 ASTM F 970 modified by specifying a higher load on a smaller diameter tip. All other conditions are standard.

NOTE: Floors should be protected from sharp-point loads and heavy static loads. High-heeled traffic [1000 psi (70.3 kg/cm²) or more] may visibly damage wood, resilient and other floor coverings.

Comparative Subjective Property Ratings

Durability:	Very Good
Maintainability:	Excellent
Resilience:	Very Good

Subjective ratings (excellent, very good, good, fair) are in relation to other Armstrong commercial resilient floors. Ratings are not directly related to any one test. They are broadly based on tests and experience of Armstrong Research and Development under varying conditions and circumstances. These ratings should not be used for comparison to ratings used by other manufacturers to rank their own products.

Fire Test Data

ASTM E 648 Flooring Radiant Panel Critical Radiant Flux – 0.45 watts/cm² or more, Class I
 ASTM E 662 Smoke Chamber Specific Optical Smoke Density – 450 or less

Numerical flammability ratings alone may not define the performance of the product under actual fire conditions. These ratings are provided only for use in the selection of products to meet the specified limits.

4. INSTALLATION

Job Conditions

Subfloors/underlayments shall be dry, clean and smooth. They shall be free from paint, varnish, solvents, wax, oil, existing adhesive residue or other foreign matter.

For more detailed requirements of concrete, wood and metal subfloors, as well as wood and trowelable underlayments, refer to [Armstrong Guaranteed Installation Systems](#) manual, F-5061. Calcium Chloride Tests for moisture must be conducted.

Armstrong offers a guideline of a maximum acceptable moisture emission level of 5.0 lbs. per 1000 sq. ft. per 24 hours. Bond Tests should also be conducted for compatibility with the substrate. When testing for alkalinity, the allowable readings for the installation of Armstrong flooring are 5 to 9 on the pH scale.

Temperature shall be maintained at a minimum of 65° F (18° C) and a maximum of 100° F (38° C) for 48 hours prior to installation, during installation and 48 hours after completion when using Armstrong S-599 Adhesive. When using Armstrong S-240 Epoxy Adhesive, the temperature shall be maintained at a minimum of 65° F (18° C) and a maximum of 85° F (29° C) for 48 hours prior to installation, during installation and 48 hours after completion. A minimum temperature of 55° F (13° C) shall be maintained thereafter. Condition all flooring materials and adhesives to room temperature at least 48 hours prior to starting installation. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

Procedure

Connection CORLON **must** be installed using Armstrong S-599 Adhesive full spread in field areas and Armstrong S-580 Adhesive in flash cove areas. Recess scribe all seams. Seams must be heat-welded or sealed with Armstrong S-761 Seam Adhesive. Connection Corlon installed in areas subjected to heavy static and dynamic loads must be installed with Armstrong S-240 Epoxy Adhesive in the field area. Detailed instructions may be found in the [Armstrong Guaranteed Installation Systems](#) manual, F-5061.

5. MAINTENANCE

Connection CORLON is designed to be maintained by traditional resilient flooring maintenance methods. This floor may be maintained by polishing, spray-buffing or dry buffing. The urethane protective finish can make initial maintenance easier, as well as reduce ongoing maintenance procedures.

Initial Maintenance Immediately After Installation

- Sweep or vacuum thoroughly.
- Damp mop with a dilute neutral detergent solution such as Armstrong S-485 Floor Cleaner – carefully wiping up black marks and excessive soil.
- Do not wet wash or scrub the floor for at least four to five days after installation.

Preparation for Commercial Use

Refer to maintenance methods detailed in [Armstrong Commercial Resilient Flooring Maintenance Recommendations](#) booklet, F-8663.

6. WARRANTIES

Armstrong warrants its regular (first quality) commercial floors and wall base to be free from manufacturing defects and warrants the installation integrity for five years from the date of purchase, if installed according to the [Armstrong Guaranteed Installation Systems](#) manual, F-5061. This warranty extends only to the original end-user. See [Armstrong Commercial Floor Warranty](#), F-3349 or visit www.armstrong.com for warranty details, limitations and exclusions.



DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUT BACK" ADHESIVES OR OTHER ADHESIVES. These products may contain either **asbestos fibers** and/or **crystalline silica**. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that a product is a non-asbestos containing product, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. See current edition of the Resilient Floor Covering Institute (RFCI) publication [Recommended Work Practices for the Removal of Resilient Floor Coverings](#) for instructions on removing all resilient floor covering structures.

For specifications or samples, web site: www.armstrong.com/flooring
 phone: **1 877 ARMSTRONG (276 7876)**
 fax: **1 800 599 9335**

For more information, visit www.armstrong.com/floorscore



For more information, visit www.armstrong.com/floorscore

Printed in United States of America

© 2005 AWI Licensing Company

Floor Score trademark owned by Resilient Flooring Institute

All other trademarks owned by AWI Licensing Company

F-6605-606

[Between us, ideas become reality.]®