

T E C H N I C A L D A T A

C O R A L[®] G R I P

1. PRODUCT NAME / MANUFACTURER

- 1.1 Product:
Coral[®] Grip textile entrance flooring
- 1.2 Manufacturer:
Forbo Flooring, Inc.
Humboldt Industrial Park
Hazleton, PA 18202
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1.3 Product Description:
Construction: Coral[®] Grip textile entrance flooring incorporates a patented embossed design and durable, pliable vinyl filaments. Granulated PVC chips are added to help create a non-slip surface, available in both medium and heavy duty. In standard form, Coral[®] Grip has an open, non-backed, pervious structure, but it can also be manufactured with an EVERFORT[®] vinyl backing. The innovative EVERFORT[®] vinyl backing is a solid vinyl which is flexible, strong, and heavy in weight. It lays flat, making installation easier. It is impervious to water, making it suitable for intensive wet cleaning.

- 1.4 Physical Characteristics: (dimensions are approximate)
 - Gauge----- (0.47") 12 mm or (0.669") 17 mm
 - Backing ----- Open Structure or EVERFORT[®] vinyl
 - Width ----- Approx. 48" (1.22 meters)
 - Length 12mm: 49.21' (15 meters)
 - 17mm: 32.81' (10 meters)
 - Roll Size 12mm: 36 yards² (30 meters²)
 - 17mm: 24 yards² (20 meters²)
 - Mat Sizes----- 24" X 35" (60 cm X 90 cm)

2. PRODUCT PERFORMANCE AND TECHNICAL DATA

- 2.1 Application Areas:
Zone 1: Outside and Inside entrances to the building.
See Forbo's Entrance Systems brochure for additional information.
- 2.2 Environmental:
Coral[®] Grip contributes to LEED[®] credits in the following category:
Indoor Environmental Quality
Credit 4.3: Low-Emitting Materials
Credit 4.1: Low-Emitting Materials (Adhesive complies with SCAQMD Rule #1168)

- 2.3 Slip Resistance:
Coral[®] Grip meets or exceeds A.D.A. recommendation of 0.6 for flat surfaces when tested in accordance with ASTM D 2047.
- 2.4 Durability:
EN 1307 (Wear Classification): 4
- 2.5 Fire Testing:
ASTM E 648/NFPA 253 (Critical Radiant Flux): Class 1
ASTM D 2859 (Surface Flammability of Carpets & Rugs/ Pill Test): Pass
- 2.6 Color Fastness:
AATCC 129-01 (Colorfastness to Ozone in Atmosphere Under High Humidities): Rated 5.0
AATCC 164-01 (Colorfastness to Oxides of Nitrogen in Atmosphere Under High Humidities): Rated 5.0

3. INSTALLATION

- 3.1 Site Conditions:
The installation of Coral[®] Grip entrance flooring should not begin until the work of all other trades has been completed, especially overhead trades. For all interior applications, areas to receive flooring should be clean, fully enclosed and weathertight. The permanent HVAC must be fully operational, controlled and set at a minimum of 68° F (20° C) for a minimum of seven days prior to, during, and seven days after the installation. For exterior applications, the installation should be done when weather conditions are comparable to a comfortable indoor environment and the temperature is a minimum of 68° F (20° C). The flooring material should be conditioned in the same manner for at least 48 hours prior to the installation. Areas to receive flooring shall be adequately lighted to allow for proper inspection of the substrate, installation and seaming of the flooring, and for final inspection.

3.2 Substrates:

Floors shall be sound, smooth, flat, permanently dry, clean, and free of all foreign material including, but not limited to, dust, paint, grease, oils, solvents, curing and hardening compounds, sealers, asphalt and old adhesive residue. Wood floors should be double construction with a minimum total thickness of 1 inch. Wood floors must be rigid, free from movement and have at least 18" of well-ventilated air space below. Forbo floor coverings should not be installed over wooden subfloors built on sleepers over on or below grade concrete floors without first making sure that adequate precautions have been taken to ensure the structural integrity of the system, and to prevent moisture migration from the concrete slab. Concrete substrates should be prepared in accordance with ASTM F 710. Concrete shall have a minimum compressive strength of 3,000 psi. Patch and repair minor cracks and other imperfections using only the highest quality patching and leveling compounds in strict accordance to the manufacturer's recommendations for their use and application. Floor covering should not be installed over expansion joints. Suitable expansion joint covers should be used. For interior applications, it is essential that moisture tests be conducted on all concrete floors regardless of the age or grade level. Conduct calcium chloride tests in accordance with ASTM F 1869. Measure the internal relative humidity of the concrete slab in accordance with ASTM F 2170. One test of each type should be conducted for every 1,000 square feet of flooring (minimum of 3). The tests should be conducted around the perimeter of the room, at columns, and anywhere moisture may be evident. Concrete moisture vapor emissions must not exceed 8.0 lbs. per 1,000 square feet in 24 hours when using Forbo FRS 885 adhesive or 3.0 lbs. per 1,000 square feet in 24 hours when using Forbo 660 adhesive. Concrete internal relative humidity must not exceed 85% when using Forbo FRS 885 adhesive, or 75% when using Forbo 660 adhesive. A diagram of the area showing the location and results of each test should be submitted to the Architect, General Contractor or End User. If the test results exceed these limitations, the installation must not proceed until the problem has been corrected.

Note: Moisture tests indicate conditions at the time of the test only. The absence of an acceptable vapor retarder under the slab, changes in the environment, or other circumstances beyond Forbo's control, may lead to adverse changes in the moisture condition of the concrete. Forbo's warranty shall not be extended to cover damage or failures caused by moisture conditions in excess of specified limits that occur after the time of initial testing or installation.

3.3 Adhesive:

Use Forbo FRS 885 adhesive for interior applications. For exterior applications, or for optimum performance in areas with heavy rolling loads, or for additional protection from topical moisture, use Forbo 660 adhesive.

Use a 1/16" X 1/16" X 1/16" square notch trowel.

Spread Rate: Approximately 150 square feet/gallon.

Install material into semi-wet adhesive.

3.4 Installation Guidelines:

Refer to Forbo Flooring, Inc. Installation Guidelines for complete installation requirements.

4. AVAILABILITY AND COST

Available through authorized Forbo Flooring, Inc. suppliers throughout North America. Contact Forbo Flooring, Inc. or authorized supplier for cost information.

5. WARRANTY

Limited 5-year warranty. For complete details, contact Forbo Flooring, Inc.

6. CARE AND CLEANING

After installation is completed, allow a minimum of 5 days for the adhesive to properly bond and cure before conducting wet cleaning procedures. See Forbo Flooring's Floor Care Guidelines for additional information.

7. SUPPORT SERVICES

7.1 Samples:

Submittal samples for verification and approval are available upon request from Forbo Flooring, Inc. Support Services. Samples shall be submitted in compliance with the requirements of the Contract Documents. Please fax all sample requests to +570 450 0229 or visit our website at www.forboflooringna.com. Accepted and approved samples shall constitute the standard materials that represent materials installed in the project.

7.2

For current installation and floor care guidelines, guide specifications, product specifications and other technical information, visit our website at www.forboflooringna.com.