

## Installation Guidelines: Coral® Entrance Flooring

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### General Installation Guidelines

- Coral® Entrance Flooring may be installed on approved substrates on all grade levels for interior applications. For exterior applications, **only** Coral® Grip may be installed on approved substrates.
- For 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. The material and adhesive should be conditioned in the same environment 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. For exterior applications, the ambient environment should approximate the above conditions as closely as possible.
- Store Coral® rolls standing upright.
- Always conduct moisture tests on **all** concrete substrates, regardless of age or grade level.
- Determine the moisture vapor emission rate (MVER) of the concrete by testing conducted in accordance with ASTM F 1869. The MVER of the concrete must not exceed 8.0 lbs. per 1,000 square feet in 24 hours when using Forbo FRS 885. When moisture vapor emissions exceed these requirements, refer to the Moisture Limitor section of Forbo's Installation Guide for additional information.
- Determine the internal relative humidity of the concrete by testing conducted in accordance with ASTM F 2170. The internal relative humidity of the concrete must not exceed 85% when using Forbo FRS 885 adhesive. When the internal relative humidity exceeds these requirements, refer to the Moisture Limitor section of Forbo's Installation Guide for additional information.
- The concrete surface pH must be tested and must not exceed a pH of 11 when using Forbo FRS 885 adhesive.
- Always conduct adhesive mat bond tests before beginning the installation. Bond testing will aid in identifying both the working characteristics of the adhesive (open time and working time) for the site conditions, and also any potential bonding problems.
- Material should always be visually inspected prior to installation. If there are any questions regarding the quality of material, contact your local Forbo representative or Forbo Technical Services PRIOR to installation.  
**Any costs (including labor) associated with the replacement of material that was installed with visual defects that could have been seen prior to installation are not covered under warranty.**
- Ensure that all recommendations for substrate and jobsite conditions are met prior to beginning the installation. Beginning the installation is an implied acceptance of site conditions by the parties involved and liability for any failure directly related to inadequate site conditions becomes the responsibility of the installer and/or flooring contractor.
- Use Forbo FRS 885 adhesive. For exterior applications using **only** Coral® Grip, or for optimum performance in interior areas that may need additional protection from topical moisture, use Forbo 660 adhesive. Please contact Forbo Technical Services for additional information on Forbo 660 adhesive.
- Use a 1/16" x 1/16" x 1/16" square notch trowel to apply the adhesive.
- Use material from the same batch/dye lot.
- **Install rolls and cuts in consecutive order.** Forbo will not honor shading claims where Coral® Entrance Flooring has been installed out of sequence.
- Do Not Reverse sheets for seaming. Install with arrows all pointing in the same direction.
- Avoid seams in the middle of traffic lanes. Where seams are necessary, it is preferable to place them to the left or right of the main traffic lane.
- Roll immediately with a 75 pound three-section roller and always check for proper adhesive transfer. In order to achieve a secure bond there must be a complete wet transfer of adhesive to the material backing.
- Remove fresh adhesive residue immediately with a clean white damp cloth. Dried adhesive residue can be removed with a clean white cloth and mineral spirits.
- Take pride in your work and be Professional at all times.
- For additional information, contact Forbo Technical Services.

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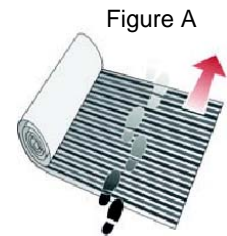
### Cutting and Fitting Sheets

1. Prior to cutting, organize the material by roll number to ensure that the **rolls and cuts will be installed in consecutive order**. Make sure that all rolls are from the same batch/dye lot.
2. It is generally easier to work from the inside of the building toward the threshold of the entry door.
3. Unroll the material and cut the individual pieces to length, making sure to allow for final trimming. Do Not Reverse sheets. Run all arrows in the same direction. Avoid seams in the middle of traffic lanes.
4. Prepare the seam edges by cutting from the back using a straight edge and sharp knife.
5. Dry lay the pieces, butting the trimmed edges for seaming. Make sure that the seam edges come together with a net fit with no fullness or gaps.
6. Trim for final fit at the edges by cutting from the back using a straight edge and sharp knife.

### Special Instructions for Coral® Duo Only

The direction in which the Coral® Duo is produced is not the traffic direction. The ribs should be running at right angles to the walking direction (Figure A).

1. Prior to cutting, organize the material by roll number to ensure that the **rolls and cuts will be installed in consecutive order**. Make sure that all rolls are from the same batch/dye lot.
2. It is generally easier to work from the inside of the building toward the threshold of the entry door.
3. Unroll the material and cut the individual pieces to length, making sure to allow for final trimming. Do Not Reverse sheets. Run all arrows in the same direction.
4. Prepare the seam edge of the first sheet by cutting off the vinyl impact edge. Cut from the back of the material using a straight edge and sharp knife.
5. Prepare the seam edge of the adjoining sheet by cutting off the vinyl impact edge plus the first rib. Cut from the back of the material using a straight edge and sharp knife. Be sure to leave the second rib intact.
6. Dry lay the pieces, butting the trimmed edges for seaming. Make sure that the seam edges come together with a net fit with no fullness or gaps.
7. Dry lay any remaining sheets, trimming any subsequent seam edges in the same manor.
8. Trim for final fit at the edges by cutting from the back of the material using a straight edge and sharp knife.



### Adhering the Sheets

1. After dry fitting all of the pieces of Coral® Entrance Flooring, carefully lap each sheet back approximately half way. Take care that the sheets do not shift. Mark the edge of the first sheet with a pencil line before lapping back.
2. Snap a chalk line as a spread line in front of where the material is folded over to assure an even and straight line of adhesive.
3. Spread the Forbo FRS 885 adhesive on the exposed substrate. Take care not to leave ridges or puddles. If installing Coral Grip® for an exterior application, use Forbo 660 adhesive.
4. For porous substrates, a short open time may be necessary before placing the flooring material into the adhesive. For non-porous substrates, a longer open time may be necessary in order to allow the adhesive to develop body before placing the material into the adhesive, but **DO NOT ALLOW THE ADHESIVE TO DRY**. The flooring material **MUST** always be placed into the adhesive and rolled immediately. Check for adhesive transfer frequently. There must be transfer of adhesive to the material backing in order to achieve a secure bond.  
**Note:** The open time and working time of adhesives will vary depending on site conditions such as ambient temperature, humidity, the porosity of the substrate and air circulation. It is the installer's responsibility to make appropriate adjustments to installation procedures for specific site conditions as may be necessary. Refer to the Adhesives section of Forbo's Installation Guide for additional information regarding adhesive open time and working time.
5. Carefully place each sheet into the adhesive one at a time, starting with the first sheet and carefully following the pencil line. As subsequent sheets are placed into the adhesive, smooth the seams into place using a spatula.
6. Roll the area with a 75 pound three-section roller.

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7. Repeat this sequence for the other half of the area.  
**Note: For optimum performance in interior areas that may need additional protection from topical moisture, use Forbo 660 adhesive. For additional information, contact Forbo Technical Services.**
8. Remove fresh adhesive residue immediately with a clean white damp cloth. Dried adhesive residue can be removed with a clean white cloth and mineral spirits.

Forbo's Installation Guide contains additional information on substrate evaluation and preparation, and is available for download at [www.forboflooringna.com](http://www.forboflooringna.com). For a hard copy, or for additional information, contact Forbo Technical Services at +800 842 7839.