Forbo ArmorFix Adhesive Technical Data

Recommended for Use With

- Forbo ArmorCove

Specifications

- FloorScore Certified by SCS Global Services
- Acrylic Polymer
- Non-flammable; 100% Solvent free
- Storage: Freeze-thaw stable: 1 cycle at 20° F (-6 ° C). If the pail is opened and found to be frozen, let it set closed and undisturbed at room temperature until thawed. **DO NOT** try to mix frozen adhesive.
- Shelf life: 2 years in unopened container
- Appearance and Odor: White paste with little or no odor
- VOC Emissions: 0 grams per liter (calculated per CA South Coast Rule 1168)
- Spread Rate: Approximately 146 linear feet per gallon when installing 4.25" Forbo ArmorCove OR Approximately 128 linear feet per gallon when installing 6.25" Forbo ArmorCove
- Available in four gallon units only.

Substrate & Testing Requirements

- Always refer to and follow the recommendations in ***Forbo's Installing Forbo ArmorCove Guidelines*** prior to using Forbo ArmorFix Adhesive.
- Forbo ArmorFix Adhesive can be used on all grade levels of concrete, approved suspended wood floors and approved existing resilient floors. All concrete substrates must be prepared in strict accordance with the conditions set forth in the latest version of ASTM F 710. The substrate must be dry, clean, smooth, and structurally sound.
- The surface pH of the concrete must not exceed a pH of 12.0. Concrete surfaces with pH readings less than 7.0 or above 12.0 will require remediation prior to installation.
- The surface of concrete floors shall be flat to within the equivalent of 3/16" (3.9 mm) in 10' (3m).
- The wall horizontal plane surface shall be flat to within the equivalent of 3/16" (3.9 mm) in 10' (3m).
- All wall substrates must be compression and deformation resistant, permanently dry and clean. They must be sound, smooth, rigid, flat dry, and free of all foreign materials including but not limited to dust, grease, oils, solvent, adhesive residue, mold, mildew or any substance that could prevent achieving a secure bond.
- Conduct adhesive mat bond testing before beginning the installation. Bond testing will aid in identifying both the working characteristics of the adhesive, such as the appropriate open and working times for the site conditions, and also any potential bonding problems to the substrate.

Installation Recommendations

1. Areas to receive material should be clean, fully enclosed and weather tight. The permanent HVAC should be fully operational and controlled and set at a minimum temperature 65° F (18.3° C). If this is not possible, the areas should be acclimated and controlled by means of temporary HVAC to the service level conditions expected during occupancy. The temperature and humidity should range from 75° F ± 10° F (23.9° C ± 5.5° C) with a 50% ± 10% ambient relative humidity. These conditions **MUST** be established at least seven days prior to beginning the installation, maintained during the installation, and continued for at least seven days following the installation.
2. The substrate must be free of all foreign materials including, but not limited to, dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, film-forming curing compounds, silicate penetrating curing compounds, sealing, hardening, or parting compounds, alkaline salts, excessive carbonation or laitance, mold, mildew, and other foreign materials that might affect the rate of moisture dissipation from the concrete, the adhesion of resilient flooring to the concrete or cause a discoloration of the flooring from below.
3. Before beginning the installation, pH and bond testing should be conducted. Refer to Forbo's Substrate Evaluation & Preparation Guidelines for additional information.
4. Trowel recommendation: 1/8" x 1/8" V-notch adhesive spreader. Replace the trowel when proper coverage is no longer attainable.
5. Apply Forbo ArmorFix Adhesive to the back of the ArmorCove (but not overlapping the tape), using a 1/8" x 1/8" V-notch adhesive spreader.
6. Apply Forbo ArmorFix Adhesive to bottom section of ArmorCove with a flat trowel where aluminum and linoleum meet.
7. Then apply Forbo ArmorFix Adhesive to the floor. Be sure to spread adhesive all the way to the pencil lines without leaving any voids.

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8. The open time and working time of adhesives will vary depending on site conditions such as ambient temperature and humidity, the porosity of the substrate and air circulation. A general indication of proper open time is when a light touch produces transfer of adhesive to the finger, but a firm touch will flatten and "smear" the adhesive.
9. A short open time will be necessary. The ArmorCove must remain in contact with the adhesive while the adhesive is drying and curing. Proper placement and rolling will result in a complete "explosion" of the trowel ridges, creating a continuous flat film of adhesive on the substrate and on the material backing, with no trace of trowel marks or ridges.
10. Remove the backing of the tape and position the first piece into the adhesive, ensuring it is tightly seated where the wall and floor meet.
11. Check for adhesive transfer frequently; there must be a ***100% wet transfer*** of adhesive to the material backing in order to achieve a secure bond.
12. Immediately roll the ArmorCove into the adhesive with a steel seam roller. Pay equal attention to rolling the floor and wall. Additional rolling may be required during adhesive setup to ensure that the material is flat and fully adhered.
    NOTE: Apply adequate pressure when rolling the Forbo ArmorCove onto the substrate (floor) to ensure a flush transition to the field materials. This can be verified by using a small piece of the field material against the Forbo ArmorCove as a gauge.
13. Remove any residual adhesive from the floor with a putty knife.
    NOTE: Residual adhesive that is left to dry must be scraped off. If it is not removed, it may cause ledging when the flooring material is installed.
14. Keep the lid on the pail when not in use.
15. To complete the installation, seal the cap to the wall using a fine bead of clear moisture and mildew resistant silicone.

For additional information, *Forbo's Installation and Floor Care Guidelines* are available for download at www.forboflooringNA.com, or contact Forbo's Product Support & Education Services at 1-800-842-7839.