

Gerfix ESD Adhesive

1. Description

- 1.1. **GERFIX ESD** is formulated for the installation of Gerflor conductive vinyl floorings over porous and non-porous substrates.
- 1.2. Its low VOC content makes it ideal for use in occupied buildings such as hospitals, medical buildings and clean rooms.

2. Limitations

- 2.1. Do not install over any substrates containing asbestos.
- 2.2. For interior installations only.
- 2.3. Do not use over impervious substrates.
- 2.4. Do not apply over any adhesive residues including cutback adhesive.
- 2.5. Do not install in areas with known hydrostatic moisture problems.
- 2.6. Only install over concrete substrate with intact and functional vapor barriers that meets ASTM F7103/E1745.
- 2.7. Do not install when the moisture vapor emission rate (MVER) exceeds 5 lbs. per 1,000 sq. ft. (2,27 kg per 92,9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- 2.8. Do not install in areas with known alkali silica reaction or osmotic blistering problems.
- 2.9. Do not install when relative humidity of concrete slabs exceeds 80% (ASTM F2170).
- 2.10. Do not install when the pH concrete slab surface exceeds 11.0.
- 2.11. Do not install unless the surface temperature of the substrate is at least 10°F (5°C) above the dew point.
- 2.12. Use only when the substrate temperature is between 50°F and 80°F (10°C and 26°C).

3. Suitable Substrates

- 3.1. Exterior-grade plywood, Group 1, CC type
- 3.2. Other approved wood underlayments (per manufacturer's recommendations)
- 3.3. Concrete and properly prepared cement terrazzo. Note: Embedded metal into cement terrazzo will telegraph through the flooring once installed.
- 3.4. Cement-based self-leveling underlayments and patching compounds.
- 3.5. Embossing levelers applied over existing, properly prepared and fully bonded ceramic tile and fully bonded VCT – one layer only

NOTE: Consult Gerflor's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

4. Surface Preparation

- 4.1. All substrates must be structurally sound, dry, solid and stable.
- 4.2. Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old adhesive residues, and any other

substance or condition that may prevent or reduce adhesion. All surfaces must be level, even, flat and smooth.

- 4.3. Refer to ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring.

5. Mixing

- 5.1. Ready to use; no mixing necessary

Note: Choose all appropriate safety equipment before use. Refer to Safety Data Sheet (SDS) for more information.

6. Approximate Coverage

- 6.1. 1/32" x 1/16" x 1/32" notched trowel. Coverage from 180 to 225 sq. ft. per US gallon.



NOTE: Substrate condition has a direct effect on adhesive consumption. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, trowel angle used and setting practices.

7. Product Application

- 7.1. Read all installation instructions thoroughly before installation.
- 7.2. Select the appropriately notched trowel (see "Approximate Product Coverage" section).
- 7.3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
- 7.4. Install flooring into the wet adhesive, ensuring 100% coverage of the flooring material's backing.
- 7.5. Do not spread more than can be covered with floor covering within 10 to 25 minutes. Install flooring in strict accordance with the floor-covering manufacturer's written installation instructions.
- 7.6. Once the flooring is placed into the adhesive, roll slowly the flooring surface across the width and length with the flooring-manufacturer-recommended roller to break down adhesive ridges and to ensure complete removal of trapped air. Pull (rather than push) the roller, so that footprints are not left on the floor. Re-roll the flooring 30 minutes after initial rolling.
- 7.7. Spread the adhesive using the recommended trowel.
- 7.8. Install flooring into the adhesive at a wet-tacky state.
- 7.9. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still wet.
- 7.10. Clean tools with water while the adhesive is still wet. Clean with mineral spirits once the adhesive is dried. Use caution with mineral spirits, which may be harmful to some materials.

NOTE: Refer to installation instructions of the product to be installed and technical and safety data sheets for complete information regarding uses, application, limitations and safety.

8. Clean-up

- 8.1. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
- 8.2. Clean tools with water while the adhesive is still fresh/ wet.

8.3. Clean with mineral spirits once the adhesive is dried. Use caution with mineral spirits, which may be harmful to some materials.

9. PROTECTION

9.1. Protect the finished installation from light traffic for at least 24 hours and from heavy traffic for at least 72 hours.

10. PROTECT FROM FREEZING

10.1. Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

11. PRODUCT PERFORMANCE PROPERTIES

Laboratory	Tests Results
Polymer type	Vinyl Acrylic
Percent solids	60% to 75%
VOCs (Rule #1168 of California's SCAQMD)	29 g/L
pH	7 to 10
Conductivity	<300 kilohm
Density	10.8 +/- 0.8 lbs. per U.S. gal. (1,3 +/- 0,1 g per mL)
Consistency	Buttery
Color	Black
Flash point	>212°F (100°C)
Protect from traffic	Light traffic 24 hours, heavy traffic 72 hours at 70°F

12. SHELF LIFE AND PRODUCT CHARACTERISTICS

Shelf Life	12 months when stored in original, unopened packaging at 73°F (23°C)
Storage Conditions	Store at 65°F to 80°F (18°C to 26°C)

13. APPLICATION PROPERTIES (AT 73°F (23°C) AND 50% RELATIVE HUMIDITY)

Application Characteristics	
Flash time†	Working Time††
5 to 15 minutes	10 to 25 minutes

† Flash is the waiting time required before installing flooring.

†† Working time is the window of time for the adhesive to accept flooring.

Note: Flash time and working times may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

14. PACKAGING

Size
4 U.S. gals. (15,1L)

For any information, please refer to Gerflor Technical Services.

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