

Gerflor T-111 P.U. Technical Datasheet

1. Description:

- 1.1. Gerflor T-111 is a high-performance two-component polyurethane adhesive for interior installations of all Gerflor Sport and Commercial floor coverings. It has excellent resistance to moisture, heat and water, plus outstanding adhesion at low temperatures.

2. Limitations:

- 2.1. Gerflor T-111 is not freeze/thaw stable. If the product is exposed to freezing conditions, it must be discarded.
- 2.2. Do not use when the substrate temperature is below 50°F (10°C) or above 95°F (29°C).
- 2.3. Test all concrete slabs for moisture. Do not use this adhesive if the moisture vapor emission rate (MVER) exceeds 8 lbs. per 1,000 sq. ft. per 24 hours when using the anhydrous calcium chloride test (ASTM F1869), or when relative humidity exceeds 95% per ASTM F2170. Consult the flooring manufacturer's maximum allowable limit.
- 2.4. Verify substrate pH prior to installation. Acceptable pH range 7-11.
- 2.5. Do not apply over gypsum-based surfaces. Always refer to the installation instructions of the product that is being installed.

3. Surface preparation:

- 3.1. All subfloors must be structurally sound, solid, well-fastened, dry, clean and free of dust, oil, grease, tar, paint, wax, curing agents, primers, sealers, loosely bonded toppings, loose particles, and any substance or condition that may reduce or prevent adhesion. Substrates must be smooth and free of surface irregularities such as concrete trowel marks and small protrusions or pits. All substrates must meet the floor-covering manufacturer's specifications and comply with industry standards (such as ASTM F710). For more details, call Gerflor Technical Department.

4. Mixing:

- 4.1. Wear rubber gloves and avoid skin contact during mixing, application and cleaning.
- 4.2. Parts A and B are packaged to exact quantity ratios for maximum performance.
- 4.3. Protect flooring from adhesive spills.
- 4.4. Pour all material out of the Part B (liquid) container into Part A (paste). Place the cap back on the Part B container and turn the container upside-down to ensure that all remaining material drains into the cap. Pour the remaining material into Part A. Always mix complete units. Do not add other materials to this mixture.
- 4.5. Use a low-speed mixer to ensure that the material is mixed thoroughly to a smooth, homogenous paste consistency (generally within 3 minutes). Do not allow the mixed product to sit in the container. Immediately after mixing, apply the adhesive to the substrate.
- 4.6. Wash all tools with denatured alcohol immediately after mixing. Once cured, Gerflor T- 111 can be removed only by mechanical means.

5. Trowel size:

5.1. Trowel size must comply with our written recommendations for the product to be installed.

5.1.1. SPM Wall Panels covering: 3/32" x 3/32" x 3/32" 'V' notch. Coverage from 135 to 150 sq. ft. per 1.9 US gal pail.



5.1.2. Sport and Commercial vinyl floor coverings: 1/32" x 1/16" x 1/32" 'U' notch. Coverage from 320 to 420 sq. ft. per 1.9 US gal pail.



6. Product Performance Properties:

Laboratory Tests	Results
Polymer type	Epoxy modified polyurethane
Percent solids	90% to 100%
VOCs (Rule# 1168 of CA SCAQMD)	38 g/L
Pot life	50 minutes
Trowelability	Light, easy
Density	11.7 +/-0.08 lbs. per U.S. gal. (1,40 +/-0,1 g per mL)
Consistency	Creamy
Color	Off-white
Shelf life	2 years when stored in original packaging at 73°F (23°C)
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point	201°F (94°C)
Protect from traffic	16 hours for light traffic / 36 hours for heavy traffic

Note: Refer to technical and safety data sheets for complete information regarding uses, application, limitations and safety.

7. Application:

7.1. Use the proper notched trowel to ensure 100% coverage of the flooring material's backing.

7.2. Do not spread more adhesive than can be covered with floor covering within 40 minutes. After spreading, install the flooring material into the adhesive while it is still fresh. Periodically lift the material to confirm proper adhesive transfer to the backing. Note: the floor temperature directly affects setting time. The warmer it gets, the faster it sets; the cooler it gets, the slower it sets.

7.3. Roll the flooring surface across the width and length with the manufacturer's recommended roller to break down adhesive ridges and to ensure complete removal of trapped air.

7.4. Complete the installation per the flooring manufacturer's instructions.

7.5. Because the initial grab of Gerflor T-111 is low, it is sometimes necessary to apply weights, particularly at the seams, to maintain contact until the adhesive sets.

8. Cleaning:

8.1. Cleaning must be done using denatured alcohol while adhesive is still wet.

For additional information, please contact Gerflor Customer Support at 1-877-437-3567.

Please visit GerflorUSA.com for most current datasheet