

GERFIX TPS+ Datasheet

Description

Gerfix TPS+ is a proprietary, high-performance, pressure sensitive adhesive designed specifically for installing Gerflor's homogeneous, heterogeneous, LVT and sport floorings. With its strong, durable, moisture-resistant and alkali-resistant bond, it is ideal for commercial and institutional applications. Gerfix TPS+ has excellent open time, develops strength quickly, performs well under rolling loads and resists indentation. Its low volatile organic content makes it ideal for use in occupied buildings such as hospitals and medical centers.

Features and Benefits

- Excellent indentation and shrinkage resistance
- Plasticizer migration resistant for use with all solid vinyl flooring.
- Dries quickly with very aggressive tack properties
- Low VOC content

Industry Standards and Approval

- CRI Green Label Plus #GLP00226. Refer to CRI website at www.carpet-rug.org for additional information.

Where to use

- For the installation of homogeneous and heterogeneous sheet vinyl (solid PVC sheet flooring), luxury vinyl tile (solid PVC tile), vinyl plank and sport floorings
- Interior commercial (office buildings, cafeterias)
- Interior heavy commercial (shopping malls, grocery stores, department stores)
- Interior institutional (hospitals, schools, universities, libraries, government buildings)

Limitations

- Do not install over any substrates containing asbestos.
- Do not use to install linoleum.
- For interior installations only
- Do not apply over any adhesive residues including cutback adhesive.
- Do not use to install LVT or LVP in areas that are subject to high heat or direct sunlight.
- Do not install when the moisture vapor emission rate (MVER) exceeds 10 lbs. per 1,000 sq. ft. per 24 hours when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity of concrete slabs exceeds 95% when using Relative Humidity test (ASTM F2170).
- Do not install when the pH is equal or greater than 11
- Use only when the substrate temperature is between 65°F and 85°F (18°C and 29°C)

Suitable Substrates

- Exterior-grade plywood and other approved wood substrates (per the wood-flooring manufacturer's recommendations)
- Concrete (at least 28 days old)
- Properly prepared cement terrazzo

- Cement-based self-leveling underlayments and patching compounds
- Properly prepared and primed gypsum underlayments that meet the ASTM F2419 requirements for compressive strength
- Radiant-heat systems that have been properly installed and that are maintained at a maximum of 85°F (29°C) surface temperature

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

Surface Preparation

- All substrates must be structurally sound, dry, solid and stable.
- 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.

Mixing

Ready to use, no mixing necessary.

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

Product Application

1. Read all installation instructions thoroughly before installation.
2. Select the appropriately notched trowel (see "Approximate Product Coverage" section).
3. Spread adhesive evenly over the subfloor, keeping the trowel at a 45° angle to the subfloor.
4. For working time and flash time, refer to "Application Table."
5. Install flooring per the product installation's instructions.
6. Roll the flooring with the recommended-weight roller across the width and length of the flooring surface.

NOTE: For sheet vinyl installations it is recommended to back roll troweled adhesive with an adhesive saturated ¼" nap paint roller.

Cleanup

1. Promptly clean any adhesive smudges from the flooring material's surface with water while the adhesive is still fresh/wet.
2. Clean tools with water while the adhesive is still fresh/ wet. Clean with mineral spirits once dried. Use caution with mineral spirits, which may be harmful to some materials.

Application Characteristics over Porous Substrates		
	Flash Time*	Working Time**
Sheets (homogeneous & heterogeneous)	20 to 40 minutes (tacky)	Up to 1.5 hours
Vinyl tile	20 to 40 minutes (tacky)	Up to 1.5 hours
Vinyl plank	20 to 40 minutes (tacky)	Up to 1.5 hours

* Flash Time 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 time may vary based on temperature, humidity, substrate porosity, trowel size and jobsite conditions.

Approximate product coverage*

Flooring Type	Typical Trowel	Coverage
Vinyl flooring	1/32" x 1/16" x 1/32" 	680 to 880 sq. ft. per U.S. 4 Gal.

*Trowel dimensions are depth/width/space. Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of trowel used and setting practices.

Product Performance Properties

Laboratory Tests	Results
Polymer Type	Vinyl Acrylic
Percent Solids	55 to 65%
VOCs (Rule # 1168 of California’s SCAQMD)	Less than 34 g per L
pH	7 to 9
Trowel ability	Light
Density	8.3 lbs. per U.S. gal
Consistency	Creamy
Color	Off-white
Shelf Life	2 years when stored in un-opened original packaging at 73°F
Storage Conditions	40°F to 100°F
Flash Point (ASTM D56)	>212°F
Protect from Traffic	24 hours for light traffic, 72 hours for heavy traffic

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