



Technical Data Sheet - SIF 922

Universal Carpet Tile Adhesive

Description

SIF 922 provides an enhanced, aggressive tack for installing all types of carpet tile. SIF 922 provides a secure, releasable adhesive base for standard PVC backed carpet tile as well as non-pvc, polyolefin, felt and bituminous backed carpet tile. It can also be used to bond solid vinyl tile.

Features and Benefits

- Specialized formulation to provide high level of tack for all carpet tile backings
- Permanent or releasable installation system applications
- Low VOC content

Industry Standards and Approvals

LEED v4 Points Contribution LEED Points

Health Product Declaration (HPD)*Up to 2 points

* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.

Additional Green Certifications

- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC Website.

Where to use:

- For the installation of all types of carpet tile and carpet underlayment used in releasable double glue-down carpet applications (underlayment to floor only).
- Interior commercial
- Interior institutional

Limitations:

- Do not install over any substrates containing asbestos.
- For interior installations only
- Do not apply over any adhesive residues including cutback adhesive.
- Do not install when the MVER exceeds 8 lbs. per 1,000 sq. ft. (3,63 kg per 92,9 m²) per 24 hours, when using the anhydrous calcium chloride test (ASTM F1869).
- Do not install when relative humidity of concrete slabs exceeds 90% per (ASTM F2170).
- Do not install if the pH of the concrete slab exceeds 10
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C).



Suitable Substrates:

- Exterior-grade plywood, Group 1, CC type
- Other approved wood underlayments (per manufacturer recommendations)
- Concrete and properly prepared cement terrazzo
- Cement-based self-leveling underlayments and patching compounds
- Embossing levelers applied over existing, properly prepared and fully bonded ceramic tile and sheet vinyl
- A single layer of properly prepared, fully bonded vinyl composition tile (VCT)
- Properly prepared and primed gypsum underlayments that meet the requirements for compressive strength according to ASTM F2419

Consult Summit International'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:

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

Ready to use; no mixing is necessary.

Product Application:

Read all installation instructions thoroughly before installation. Install flooring in strict accordance with flooring manufacturer's written instructions.

1. Select the appropriate notched trowel (see "Approximate Product Coverage" section).
2. Spread the adhesive evenly over the subfloor, keeping the trowel at a 45° angle.
3. Roll flooring with the recommended-weight roller across the width and length of the flooring surface.

Cleanup:

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

Product Performance Properties

Laboratory Tests	Results
Polymer type	Acrylic polymer
Percent solids	40% to 60%
VOCs (Rule #1168 of California's SCAQMD)	< 40 g per L
VOCs (Section 01350 of California's CDPH)	Passed
pH	6 to 9
Density	8.3 lbs. per U.S. gal. 1.0 g per ml
Color	Off-white
Shelf life	1 year when stored in original packaging at 73°F (23°C)
Storage conditions	40°F to 100°F (4°C to 38°C)
Flash point	(ASTM D56) > 212°F (100°C)
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic

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.

Application Table

Application	Characteristics over Porous Substrates	
	Flash Time†	Working Time††
Smooth-backed vinyl carpet tile	0 (permanent bond); 30 minutes or until dry (pressure-sensitive)	15 minutes (permanent bond); 8 hours (pressure-sensitive)
Rough-backed vinyl products	0 (permanent bond); 30 minutes or until dry (pressure-sensitive)	15 minutes (permanent bond); 8 hours (pressure-sensitive)

Application	Characteristics over Non-Porous Substrates	
	Flash Time†	Working Time††
Smooth-backed vinyl carpet tile	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)
Rough-backed vinyl products	30 minutes or until dry (pressure-sensitive)	8 hours (pressure-sensitive)

† 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 Coverages*

Flooring Type	Typical Trowel	Coverage*
Smooth-backed flooring products	1/32" x 1/16" x 1/32" (1 x 1,5 x 1 mm)	740 to 980 sq. ft. (68,7 to 91,0 m ²) per 4 U.S. gals. (15,1 L)
Rough-backed flooring products	1/16" x 1/16" x 1/16" (1,5 x 1,5 x 1,5 mm)	500 to 740 sq. ft. (46,5 to 68,7 m ²) per 4 U.S. gals. (15,1 L)

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

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