

### TDS AND APPLICATION GUIDE

#### DESCRIPTION:

S3 2075 offers an enhanced formulation that is designed for installation over concrete with 95% RH or less (absent of hydrostatic pressure). S3 2075 is a high quality, high strength, pressure-sensitive adhesive used for the installation of S3's or other non-vinyl backed carpet tiles. S3 2075 can be applied by roller or trowel depending on installation requirements. For additional installation information reference S3 Installation Guidelines or contact S3 Technical Support at (800) 933-7520.

#### FEATURES & BENEFITS:

- Multi-purpose adhesive
- For use with Carpet and Hard Surface products
- Excellent for use in high moisture applications, up to 95% RH, <13 PH
- No measurable VOC's
- Outstanding working times
- Superior adhesion
- Semi-permanent or releasable applications
- Contributes to LEED® Project Points
- Mildew resistant and non-staining
- S3 2075 meets AATCC 174

#### APPLICATIONS

- Sheet Vinyl products
- LVP, LVT, and VCT tiles
- Rubber floor tiles and sheet goods
- Carpet Tiles- multiple backing technologies

Product	Weight	Pallet Qty.	Pallet Weight
2075	36 lbs (4 gal)	36	1346 lbs
Laboratory Tests		Results	
Polymer Type	Acrylic polymer		
Percent solids	40– 60%		
VOCs Rule #1168 of California'sSCAQMD <. 05 g/L	<. 05 g/L		
Trowelability	Light		
Density	8.6 lbs/U.S. gal (3.9 kg/3.79 L), (+/- 0.8) 1.3 g/mL (+/-0.1)		
Consistency	Creamy		
Color	Off-white		
Shelf life	Maximum 2 years from date of manufacture in properly stored, unopened package.		
Storage conditions	Protect from freezing. Store in a cool, dry location. Do not store open containers.		
Flash point (ASTMD56)	> 200°F(100°C)		
Protect from traffic	24 hours for light traffic, 72 hours for heavy traffic		

Although the adhesive is freeze / thaw stable, protect containers from freezing in transit and storage. Provide heated storage on site and deliver all materials at least 24 hours before work begins.

## ENVIRONMENTAL

- Meets the requirements of California South Coast Air Quality Management District Rule 1168
- Meets the requirements of California Department of Public Health Section 01350

## LEEDS IEQ CREDIT INFORMATION (2009 AND V4)

Credit Requirement	Status	Comment
Meet General Emissions Evaluation Criteria	Complies	
Meet SCAQMD Rule 1168 VOC Limits	Complies	VOC Content < .05g/L

## 2 YEAR WARRANTY

This product is covered by a two (2) year limited warranty. For information on this limited warranty, please ask your authorized S3 retailer or contact the number below.

## INSTALLATION INSTRUCTIONS FOR ADHESIVE

For more detailed instructions refer to the S3 Installation Guidelines and the CRI Installation Standard. The substrate must be structurally sound, clean, dry, smooth, and level. This product is for interior installation only.

### 1. CHECK THE MOISTURE LEVEL AND PH

Do not begin the installation over concrete substrates that do not meet the following MVER moisture vapor emission rate requirements.

- Moisture: Conduct Relative Humidity testing; results must be below 95% (ASTM F2170). In addition, concrete substrate moisture must be tested by the current version of ASTM F1869 anhydrous calcium chloride test. Substrate moisture vapor emissions cannot exceed 10.0 lbs. per 1000 square feet per 24 hours (4.54 kg /92.9m<sup>2</sup>/ 24 hours). For concrete with a prior history of uncorrected moisture conditions or problems, involving higher moisture levels, treat the concrete with S3 MoistureShield, MRP or 125, prior to adhesive application.
- pH: Testing should be performed with results ranging between 6.0 and 11.0 (ASTM F710). Take corrective measures if the results exceed these limits.

This product is for interior installation only.

### 2. PREPARE THE FLOOR

The substrate must be structurally sound, clean, dry, smooth, solid and stable.

- All substrates must be completely free of dust and dirt, paint, oil, curing or release agents, unapproved sealers or existing adhesives, or anything that would interfere with the adhesive making a good bond directly to the substrate or to S3 MoistureShield, MRP or 125. Refer to substrate preparation guidelines per current CRI 104.
- Use only S3 Unglu'd or mechanical means to remove existing adhesives, then finish removal by applying and removing with S3 Surface Prep Ext until the bare concrete surface is exposed. Do not utilize solvents or chemical cleaners other than those started prior on the substrate.
- For new, 24-hour-old concrete floors or existing floors with a high moisture content and/or high pH, an application of S3's MoistureShield, MRP or 125 moisture vapor barriers is recommended. All S3 moisture products are especially formulated to work with S3 2075. When 125 is properly installed it effectively withstands moisture vapor pressures of up to 25psi and pH levels of up to 13pH.
- Fill depressions or cracks with S3 QuickFil or S3 Barrier patching/leveling compound that meets or exceeds maximum moisture level and pH requirements. Use of S3 Barrier patching and/or leveling compounds that contain Geopolymer components, gypsum, or Portland cement and meet or exceed the compressive strength of 3,000 psi.

Suitable substrates are:

- Concrete, above, on grade or below grade and in high moisture concrete applications (up to 95 RH) when used with S3 MoistureShield, MRP or 125 and a floor patch.
- APA registered plywood underlayment when primed with an acrylic primer.
- VCT, terrazzo or polished concrete.
- Vinyl floor covering-over 1 year old and adhered with a full spread of adhesive.
- CAUTION: Remove all waxes, polishes and curing agents from existing floor before installation. See instructions for abrasion requirements.

### 3. DETERMINE DRY TIME

Flash is the waiting time required before installing flooring. Working time is the window of time the adhesive will accept the tile. Flash times and working times may vary based on temperature, humidity, substrate porosity, application method and job site conditions.

Porous Substrates		
Flooring Type	Flash	Working Time
Carpet Tile	Semi-wet (permanent bond); 30 min. or until dry (pressure-sensitive)	15 min. (permanent bond); up to 8 hours (pressure sensitive)
Non-porous Substrates		
Flooring Type	Flash	Working Time
Carpet Tile	30 minutes or until dry (pressure-sensitive)	Up to 8 hours (pressure sensitive)

### 4. DETERMINE COVERAGE AND SELECT APPLICATION METHOD

Coverages shown are for estimating purposes only. Actual job site coverages may vary according to substrate conditions, type of trowel used and setting practices. Trowel dimensions are depth/width/space.

Application and Coverage		
Flooring Type	Application Method	Coverage
Carpet Tile	1/16" x 1/32" x 5/64" U – Notch (1.6 mm x 0.8 mm x 2 mm)	28-33 yd <sup>2</sup> /U.S.gal(250–300 ft <sup>2</sup> /gal)
	3/8" 1 0m m) foam or medium nap roller	35–40 yd <sup>2</sup> /U.S. gal (300-400 ft <sup>2</sup> /gal)
Hard Surface LVT, LVP	1/16" X 1/32" X 1/32"	21-30 yd <sup>2</sup> /U.S. gal (185-270 ft <sup>2</sup> /gal)
Hard Surface Sheet Vinyl	3/32" X 3/32" X 3/32"	18-27 yd <sup>2</sup> /U.S. gal (155-240 ft <sup>2</sup> /gal)
Carpet Non-Pattern Broadloom	1/18" X 1/8" X 1/8"	13-22 yd <sup>2</sup> /U.S. gal (120-200 ft <sup>2</sup> /gal)

## **5. APPLY ADHESIVE**

Apply adhesive with recommended trowel or roller. For releasable applications, wait until the applied adhesive has become clear and tacky with no transfer (adhesive open time will vary depending on temperature, humidity, substrate porosity and job site conditions). For permanent set applications, install the product into semi-wet adhesive. Apply pressure to the entire surface of the tile to ensure adhesion.

## **6. ROLL THE FLOOR**

Roll flooring widthwise and lengthwise with a 75 – 100 lb. (34 - 45 kg) roller.

## **7. PROTECT FLOOR**

Protect floor with plywood if heavy objects are moved on top of the surface within 24 hours.

## **8. CLEAN UP**

Use warm soapy water while adhesive is still wet. Dried adhesive requires the use of safety solvent.

## **9. LIMITATIONS**

Do not use where hydrostatic pressure, excessive moisture or alkali is present.

- New concrete less than 24 hours old can be treated with an application of S3 MoistureTek and allowed to dry. S3 2075 can be applied 24 hours thereafter. Concrete floors older than 24 hours should be allowed to cure a minimum of 60-90 days prior to installation.
- Do not use when temperature is below 50°F (10°C).
- Freeze/thaw stable to 10°F (-12°C) for a minimum of 5 cycles. If frozen, slowly bring to room temperature and stir before using.

Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°F)