

StaticSmart® SDT+ CONDUCTIVE RESILIENT FLOORING ADHESIVE
Product Data Sheet

DESCRIPTION

StaticSmart® SDT+ is a solvent-free, conductive, acrylic adhesive formulated to permanently install conductive and static dissipative resilient tile and sheet flooring and rubber tile and sheet flooring. To insure product stability and reduce joint openings, StaticSmart® SDT+ has been formulated to produce a hard set and firm bond line less susceptible to indentation and telegraphing. May be used over properly prepared porous and non-porous surfaces such as concrete, underlayment grade plywood, cementitious based patching compounds and levelers

BENEFITS

- Non-Flammable
- Solvent Free
- FloorScore certified
- Excellent moisture and alkali resistance
- Excellent plasticizer resistance
- In bucket anti-microbial protection
- When dry, does not promote growth of mold or mildew
- Low odor, FloorScore certified
- Easy to trowel
- Sets to a hard setting, permanent bond
- Easy clean up
- Available in bio-degradable pails

LEED Points Contribution **LEED Points**
MR Credit Regional Materials up to 2 points
IEQ Credit 4.1 Low-Emitting
Materials Adhesives and Sealants 1 point

- Freeze-thaw stability (ASTM D7149)
- Shelf Life (ASTM D1337)
- Adhesive Shear Strength (ASTM D6004)
- 90° Peel Resistance (ASTM D6862)
- Plasticizer Resistance (ASTM D7888)
- Caster Chair (ISO 4918)
- Heat Aged Expansion/Contraction

TECHNICAL DATA

Weight/Gal: 10.2 lbs.
Color: Grey
Consistency: Smooth paste
VOC: <1 gram/liter per SCAQMD Rule 1168
Shelf Life: 1 year in unopened container
Freeze-thaw: 5 cycles @ 0° F. If adhesive has frozen, thaw under normal room temperature.



PACKAGING

StaticSmart® SDT+ is available in 1-gallon and 4-gallon pails.

STORAGE AND SHELF LIFE

Adhesive shall be stored in a dry, climate-controlled area. If adhesive has frozen, thaw under normal room temperature. Shelf life is one year from date of manufacture in unopened, properly stored containers.

COVERAGE

Trowel	Spacing	Coverage
	1/16" x 1/16" x 1/16" Square Notch	150-160 square feet per gallon
	1/16" x 1/16" x 1/16" V-Notch	165-200 square feet per gallon

ACCLIMATION

The area to receive flooring or stair treads shall be fully enclosed, weather tight, with an installed operating HVAC system. The installation area, flooring materials and adhesive must be acclimated at a temperature between 65°- 85°F for 48 hours prior to, during and after installation. The relative humidity of the installation area shall be maintained between 35-55% per ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).

SURFACE PREPARATION

StaticSmart® SDT+ can be used on porous and non-porous surfaces free of moisture. Surface to be covered must be dry, clean and smooth. Any foreign materials present such as paint, grease, oil, pen markings, adhesive residues, etc. that may prevent a proper bond or migrate to the surface causing a stain must be removed. Adhesive can be used on all grades of concrete on, above or below grade in the absence of moisture. Installation of a 10 mil (0.010") or greater effective moisture retarder is recommended directly under all on and below grade concrete floors with its integrity insured. Concrete shall be prepared according to the recommendations outlined in ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring). Concrete floors shall be free from crazing, dusting, spalling and any curing or sealing compounds. Concrete floors shall be tested for moisture according to the latest revision of ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes with levels **not to exceed 85%RH** and ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride with moisture levels **not to exceed 5 pounds** per 24 hours per 1,000 square feet. **Substrate PH reading should be between 7.0 and 10.0.** Wood floors must be double construction with a 1" minimum thickness, structurally sound, securely fastened and free from deflection/spring. Top layer of wood shall be underlayment grade plywood. Cracks and uneven surfaces must be filled with an approved cement-based patching compound.

It is the responsibility of the user to determine the porosity of the surface. To determine if a surface is porous, place a few droplets of water in various areas. If the subfloor is porous, the water will be absorbed within 2-3 minutes.

APPLICATION

Porous Substrates: Apply adhesive with a 1/16" x 1/16" x 1/16" U or square notch trowel for materials with a gauge (thickness) of 0.080" or greater. Use a 1/16" x 1/16" x 1/16" V-notch trowel for materials with a gauge (thickness) of 0.080" or less.

Spread adhesive evenly using the recommended trowel. Hold trowel at a 60° angle. Replace trowels with worn notches. Do not re-notch worn notches.

The adhesive shall be allowed to remain open or flash-off for approximately 5-10 minutes before positioning flooring. Flooring must be installed while adhesive is semi-wet. The working time of the adhesive will be dependent upon substrate porosity,

room temperature and humidity. Adhesive trowel notch ridges must be pliable to receive flooring. Immediately roll flooring in both directions with a 100 lb. three-section roller. **Proper transfer of adhesive is essential to maintain bonding and static control properties.**

Non-Porous Substrates: Apply adhesive with a 1/16" x 1/16" x 1/16" U or square notch trowel.

Spread adhesive evenly using the recommended trowel. Hold trowel at a 60° angle. Replace trowels with worn notches. Do not re-notch worn notches.

Non-porous installations require the adhesive to be dry to the touch, so that there is little or no transfer of adhesive to the finger. Once adhesive dries to the touch, it is ready to accept flooring material. **From the time the adhesive dries to the touch, to the time it must be covered with flooring is approximately 45 minutes. If the adhesive remains uncovered longer than the recommended 45 minutes a loss in adhesion strength may result.** The installer should not spread more adhesive than can be covered with flooring within the 45 minute time frame. Adhesive trowel notch ridges must be pliable to receive flooring. **Note: as long as flooring is positioned while trowel notchridges are pliable do not look for peel strength or transfer to back of flooring.** Immediately roll flooring in both directions with a 100 lb. three-section roller.

Remove wet adhesive from flooring and tools with soapy water and a clean cloth. Use mineral spirits to remove dried adhesive. **Do not apply solvents directly to flooring.** Use caution when handling flammable solvents.

Prevent all traffic for a minimum of 24 hours. Restrict heavy traffic and rolling loads for a minimum of 72 hours after installation. Do not wash or begin maintenance procedures on the floor for a minimum of 5 days after installation to allow the adhesive to properly cure.

Julie Industries warrants its adhesive formulations to be free of all manufacturing defects. The warranty period shall be in place for one (1) year from the date of installation and will also be guided by the date of manufacture to insure the integrity of the formulation and that proper storage and shipment of same has taken place.

PRECAUTIONS

Carefully read and follow all precautions and warnings. Carefully read and follow installation instruction specific to the floor covering being installed with this adhesive. Keep out of reach of children. For complete safety information, refer to Safety Data Sheet (SDS) available from Julie Industries, Inc.

QUESTIONS/ASSISTANCE

Help with questions, assistance or additional information can be found by visiting www.staticsmart.com , calling Customer Support at 978-276-0820 or email us at info@staticsmart.com