

PRODUCT DATA SHEET FOR STATBOND CONDUCTIVE, PRESSURE-SENSITIVE ADHESIVE

StatBond is a solvent-free, pressure sensitive, static-conductive acrylic adhesive engineered for the permanent installation of ESD flooring, including conductive and static-dissipative ESD vinyl tile, rubber tile flooring and rubber sheet flooring. To improve dimensional stability and minimize seams, StatBond creates a firm bond line that stands up to heavy traffic and telegraphing. StatBond can be used on porous and non-porous surfaces that have been properly prepared -- such as concrete, underlayment grade plywood, cementitious patching compounds and levelers.

- **FloorScore[®] Certified** by SCS Global Services
- Solvent-free
- Non-Flammable
- Highly resistant to plasticizer
- High RH and PH tolerance
- Inhibits growth of mold and mildew when dry
- Anti-microbial
- Low odor
- Low VOC
- Sets to a durable, permanent bond
- Easy to trowel
- Easy clean up

TESTED FOR

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

Weight/Gal: 8.5 lbs. / 3.86 kg
Color: Off-white
VOC: <1 gram/liter (per SCAQMD Rule 1168)
Shelf Life: 1 year in unopened container
Freeze-thaw: 5 cycles @ 0° F.
 If frozen, thaw at room temperature.

PACKAGING

StatBond is available in 1-gallon and 4-gallon pails.


STORAGE

Store adhesive in a dry, climate-controlled area.

SHELF LIFE

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	Approximately 180 - 220sq. ft. per gallon, depending on subfloor porosity

ACCLIMATION

Keep installation area fully enclosed, weather tight, and climate-controlled. The flooring materials and adhesive must acclimate for 48 hours at a temperature between 65° - 85°F prior to, during and after installation. The relative humidity of the installation area must remain between 35-55% per ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).

SURFACE PREPARATION

StatBond can be used on porous and non-porous surfaces that are free of moisture. The subfloor must be dry, clean and smooth. Foreign contaminants (oil, grease, paint, residues, etc.) that could interfere with bonding or migrate to the surface must be removed. This adhesive is suitable for all grades of concrete on, above or below grade in the absence of moisture. Staticworx recommends installing a minimum 10 mil (0.010") vapor barrier directly under all on grade and below grade concrete floors with its integrity insured. Prepare concrete according to the recommendations outlined in ASTM F710 (Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring).

Concrete floors must be free from crazing, dusting, spalling and any curing or sealing compounds. Test concrete floors for moisture per the latest revision of ASTM F2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes) and ASTM F1869 (Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride). Wood subfloors should be double construction, structurally sound, with a minimum thickness of 1" and securely fastened to prevent deflection and spring. The top layer of wood should be underlayment grade plywood. Cracks and inconsistencies in the surface must be filled with a suitable cementitious patching compound.

APPLICATION

StatBond should be applied evenly with a 1/16" x 1/16" x 1/16" square-notch trowel, held at a 60° angle. Always replace worn trowels.

Be careful to avoid excess build-up of fibers on trowel blade, as this can affect the static-control properties of the flooring installation. If excess fibers accumulate on the trowel, discard the adhesive on the trowel. Do not return the adhesive to the bucket.

Once applied, the adhesive must be allowed to dry to the touch. Adhesive will become translucent and no longer have a milky appearance. Dry time will depend on subfloor porosity, ambient temperature and humidity. Apply flooring within a maximum of 4 hours after the adhesive has dried to the touch. Immediately roll flooring in both directions with a 100 lb. three-section roller. If the adhesive remains uncovered for longer than 4 hours, bond strength may be diminished. Do not to spread more adhesive than flooring can be applied to within the 4-hour time frame.

CLEAN UP

Wet adhesive can be cleaned from flooring and tools with soapy water and a clean cloth. Mineral spirits can be used to remove dried adhesive. Do not apply solvents directly to flooring. Always use caution when handling flammable solvents.

AFTER INSTALLATION

Redirect all foot traffic for at least 24 hours. Heavy traffic and rolling loads should be redirected for at least 72 hours after installation. Do not wash or begin maintenance procedures on the floor for at least 5 days after installation.

GENERAL WARRANTY

Staticworx, Inc. warrants its adhesive formulations to be free of all manufacturing defects. The warranty is in effect for one (1) year after installation and will refer to the date of manufacture, as well as proper storage and shipment, to ensure the integrity of the adhesive.

PRECAUTIONS

Read and follow all precautions and warnings carefully. Keep out of reach of children. For complete safety information, refer to the Safety Data Sheet (SDS) available from StaticWorx, Inc.

Made in the USA by:
StaticWorx, Inc.
372 Hurricane Ln Suite 201,
Williston, VT 05495
617-923-2000



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