

staticworx® Reference

GroundTack® Guidelines

Using Conductive Pressure Sensitive Adhesive for Static Control Flooring

PHYSICAL PROPERTIES

BASE Acrylic
 COLOR..... White Paste
 Wt/Gal..... 9.7 lbs.
 Shelf Life 1 year at 70°F in unopened container
 Freeze/Thaw Yes - 5 cycles at 0°F

Application Note: Before, during, and 48 hours after installation, a temperature of 70± 5°F must be maintained.

Product Description

GroundTack® is a high quality acrylic emulsion that combines the performance of a pressure sensitive adhesive with the conductive properties of proprietary Thunderon Matrix technology to create a flexible electrical ground plane beneath static control floor tiles. GroundTack® gives complete adhesive performance with lifetime conductive capabilities. It is non-hazardous, nonflammable and water resistant. It provides a strong, flexible, long lasting bond with uncompromising conductive properties.

GroundTack® is designed for installation of dimensionally stable flooring materials. This adhesive can be used to install carpet tile, vinyl tile as well as rubber tile and sheet floors. Due to its pressure sensitive characteristics, GroundTack® eliminates concern about installing a non-porous backed floor covering over a non-porous substrate. This adhesive contains no hazardous or carcinogenic ingredients as defined by OSHA, Federal, State or Local regulations such as California Prop 65, M-4277 meets all flammability requirements for a Class A Flame Spread Rating as per ASTM E-84.

USAGE

Preparation

All surfaces must be clean, dry, and free of dust, grease, paints, oils, bond breakers, curing compounds, sealers, or any other foreign material which may interfere with proper adhesion. Installations over concrete substrates, whether freshly poured or old, must be tested for moisture/vapor emissions. All grade levels, whether on, below, or above grade must be tested. Tests must be performed following the protocol as outlined in ASTM F 1869 Calcium Chloride



Eclipse EC rubber installed with GroundTack® adhesive in a cleanroom over vinyl tile.

and ASTM F 2170 relative humidity test performed in situ. Results of testing should not exceed 3 lbs./24 hours/1000 sq. ft. when tested in accordance with ASTM F 1869, and not to exceed 75% RH when tested using ASTM F 2170.

Store tile and adhesive at a minimum temperature of 65° F prior to, during, and 48 hours after installation.

Note: Refer to accepted industry best practices when conducting ASTM moisture vapor test results. Before conducting any moisture or vapor tests always confirm that the building is fully enclosed and has been properly acclimatized per ASTM test method requirements. Contact Staticworx if any test points exceed 75% RH per ASTM F 2170 or 3 pounds when conducting ASTM F 1869 calcium chloride testing. Contact your StaticWorx representative in writing for additional information with regard to the use of GroundTack® applied directly over any topical vapor or moisture barrier at info@staticworx.com. Residual adhesives, curing compounds and sealers, etc. must be completely removed. Cracks and uneven surfaces must be filled with cement-based patching compound.

Application

Apply using a 1/16" x 1/16" x 1/16" square notch trowel. Adhesive must be full spread to achieve complete coverage. DO NOT USE A ROLLER TO SPREAD ADHESIVE. Allow adhesive to dry to touch before putting tile in place, approximately 45-60 minutes, then roll out using a

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100 pound three section roller.

From the time the adhesive is allowed to dry to the time that it must be covered is approximately 3 hours.

Coverage

180 - 250 sq. ft. per gallon with a 1/16" x 1/16" x 1/16" square notch trowel. Coverage will vary based on the porosity of the sub-floor.

Application Directions

1. Consult Staticworx floor material installation instructions. Refer to all manufacturers' recommendations prior to installation to determine suitability of all materials to be used, approved substrates, sub-floor preparation, etc.
2. Sub-floor must be clean, dry, smooth and free of any contamination including sealers, which may interfere with the adhesive bond.
3. Where sub-floor is extremely porous adhesive absorption may be in question, therefore it is recommended that the sub-floor be primed with a compatible primer.
4. Refer to all floor-covering manufacturers' recommendations regarding layout, cutting, seaming and maintenance.
5. Spread adhesive using the recommended trowel. Use the dry installation method in "tile over tile" applications and for installations requiring releasability. If carpet tiles are installed "wet," a permanent bond may result.
6. Roll floor covering per manufacturers' recommendations.
7. Do not wet clean floor covering for a minimum of 60 days. This will allow the adhesive to properly cure.

Clean Up

Remove wet adhesive immediately with a damp cloth. Use mineral spirits to remove dried adhesive.

SAFETY DATA

HAZARDOUS INGREDIENTS

No known hazardous ingredients at levels above 1% by weight.

ROUTES OF ENTRY AND EFFECTS OF OVEREXPOSURE

EYE CONTACT: May cause slight irritation.

SKIN CONTACT: No effect known.

INGESTION: Not likely to occur. If swallowed, no side effects known.

INHALATION: No effect known.

FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes. Contact a physician if irritation occurs.

SKIN: Wash with soap and water. Contact a physician if irritation occurs.

INGESTION: Induce vomiting, contact a physician.

INHALATION: Remove to fresh air. Contact a physician if irritation occurs.

TOXICOLOGICAL INFORMATION

This product has been tested for toxicity (acute inhalation; acute dermal; skin irritation; oral) and has been found to be non-toxic as defined by The Federal Hazardous Substance Act, 16 CFR 1500.3.

FOR MORE INFORMATION, READ MATERIAL SAFETY DATA SHEET.

KEEP OUT OF REACH OF CHILDREN

LIMITED WARRANTY

Our only obligation shall be to replace or pay for any adhesive proved defective when authorized in writing by the company. Beyond the purchase price of materials supplied by us, we assume no liability for any damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of this product for an intended use shall be solely up to the user.

Shelf life limited to one (1) year from date of manufacture.

WARNINGS

Do not sand, dry scrape, drill, saw, bead-blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphalt "cutback" adhesive, or other adhesive.

These products may contain asbestos fibers and/or crystalline silica.

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Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the product is a non-asbestos containing material, you must presume it contains asbestos.

Regulations may require that the material be tested to determine asbestos content.

RFCI's Recommended Work Practices for Removal of Resilient Floor Coverings are a defined set of instructions addressed to the task of removing all resilient floor covering structures.

NOTICE

Various Federal, State and Local government agencies have regulations governing the removal of in-place asbestos containing material. If you contemplate the removal of a resilient floor covering structure that contains (or is presumed to contain) asbestos, you must review and comply with all applicable regulations. For more information contact RFCI at:

Resilient Floor Covering Institute
401 East Jefferson St., Suite 102
Rockville, MD 20850
301-340-8580

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1-888-STATICWORX or 1-888-782-8429
www.staticworx.com
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QUESTIONS/ASSISTANCE

Call Staticworx Customer Service at 617-923-2000 Monday-Friday between 8:30 am and 5:00 pm EST, or visit us at www.staticworx.com