ANDERSON™
HARDWOOD FLOORS

BEAR HUG™
sundries

BEAR HUG™

3X TRIPLE OPTION™

WOOD FLOORING ADHESIVE

DESCRIPTION

Anderson Bear Hug™ 3X Triple Option™ Wood Flooring Adhesive is a one component 100% solids, cross linking, MS polymer-based adhesive formulated for the installation of hardwood products. Anderson Bear Hug™ 3X Triple Option™ has excellent concrete moisture inhibition capability as well as good sound reduction properties that meets the IIC and STC building code requirements. Anderson Bear Hug™ 3X Triple Option™ is solvent and isocyanate free, has negligible VOC content, contains no hazardous chemicals as per OSHA Regulation CFR 1910.1200 and is a nonflammable, low odor adhesive that meets all federal, state, and local governmental indoor air quality regulations. This specially formulated adhesive has excellent Green strength for immediate grab and quickly builds into a tenacious but elastic resilient bond as the adhesive cures.

Anderson Bear Hug™ 3X Triple Option™ is approved for use over APA grade underlayment plywood, fully secured cork underlayments, existing well-bonded vinyl, tile and sheet flooring, terrazzo, and cementitious concrete. Install above, on, or below grade, in the absence of excessive moisture. While 3X Triple Option™ is waterproof when cured, the wood flooring still must be protected from excessive moisture. For regular wood flooring applications not involving the moisture inhibition system using Anderson's Glide-On™ trowel, moisture levels of concrete must not exceed 3 lbs. per 1,000 square feet per 24 hours (1.36 kg per 92.9 m2 per 24 hours) using an anhydrous calcium chloride test kit according to ASTM F-1869 test method, or below 75% relative humidity tested in accordance with ASTM F-2170. The moisture content must be within the limits recommended by the manufacturer, generally a maximum of 75% RH. Wood underlayments must be at or below 12% using a Tramex or Delmhorst invasive (pin-type) wood moisture meter. For concrete slabs with elevated moisture levels up to 12 lbs. per 1,000 square feet per 24 hours (using an anhydrous calcium chloride test kit according to ASTM F-1869 test method), and up to 90% RH (tested in accordance with ASTM F-2170), use the Anderson Glide-On one step application trowel to apply the moisture barrier and installation coat of adhesive. See the trowel recommendation chart and follow installation instructions below. If using 3X Triple Option™ as a moisture barrier or for sound reduction in addition to installation, all conditions and exclusions as stated in the most current Anderson Bear Hug™ 3X Triple Option™ Adhesive Installation System Warranty for Concrete Moisture Remediation must be strictly adhered to and met.

SUBSTRATE PREPARATION

Substrate must be sound, smooth, level, clean and dry. It must be free of dust, dirt, wax, loose paint, incompatible curing compounds or fire retardant chemicals, fungicides, release agents, sealers, or any other foreign substances that might interfere with a good bond. Substrate must be level to 3/16" in a 10 ft span (5 mm in a 3m span). Note: When installing thin gauged engineered wood irregular substrates may telegraph through as adhesive pulls wood down during curing stages. Therefore substrates must be properly leveled to prevent telegraphing. Fill all cracks, holes and low spots with polymer modified cementitious compound and allow to fully cure before applying adhesive. High spots must be ground level. Substrate, adhesive and wood flooring must be acclimated in an enclosed building with the HVAC operational and running for at least 72 hours before, during and after the installation. The installation temperature and relative humidity must be controlled between 60°F (15°C) and 85°F (30°C), and between 35% and 55% relative humidity. Open time will vary with temperature and humidity or porosity of the substrate.

NOTE: Follow the wood manufacturers installation guidelines regarding site conditions and installation.

INSTALLATION

1. Follow wood manufacturers installation guidelines for layout, design and any special precautions for installation.
2. Spread adhesive using recommended trowel (see trowel recommendation chart). Install wood flooring immediately after adhesive is spread. Working time is approximately 50-70 minutes under acceptable temperature & humidity conditions. Adhesive must transfer 100% to the wood floor. NOTE: Thin-gauged solid & engineered wood and exotic species are very sensitive to job site conditions. Anderson's pre-installation and installation instructions, including acclimation of the wood flooring, must be strictly followed or the Anderson warranty will be void.

TROWEL RECOMMENDATIONS

Flooring Product	Trowel Size* and Notch	Coverage
Engineered Products – all 3/8" and ½" products up to 4.5" wide	3/16" x 1/4" x 1/2" flat v 4.8mm x 6.4 mm x 12.7mm	Up to 60-70 sq. ft./gal Up to 2.0 sq. meters/liter
Engineered Products greater than 4.5" wide and ½" in thickness.	3/16" x 1/4" x 5/16" flat v 4.8mm x 6.4 mm x 7.9mm	Up to 50-60 sq. ft./gal Up to 1.5 sq. meters/liter
3X Moisture & Sound plus Wood Installation Application *(due to spacer wear, replace Glide-On™ trowel for every pail of Anderson Bear Hug™ 3X Triple Option™ Flooring Adhesive)*	Anderson Glide-On Trowel 3/16" x 1/4" x 1/2" flat V notch w/ spacers	30-35 sq. ft./gal 0.75-0.86 sq. meters/liter

*Trowel dimensions are width x depth x spacing

BEAR HUG™ hardwood adhesive

BEAR HUG™ hardwood adhesive

3. Lay wood flooring into adhesive. Wood may slip and move at first so be sure to secure the initial row to limit movement and hold patterns. Occasionally lift a piece of wood to assure adhesive is achieving 100% transfer. If proper transfer is not achieved remove dried adhesive and apply more using recommended trowel. The use of 3M 2080 Blue tape to temporarily hold the edges together may be necessary until installation is complete. Remove all tape upon completion of the installation and do not allow tape to remain on the floor overnight.
4. When installing near a solid object or wall, leave ample room for required expansion space. Installing wood too tight against a stationary object will not allow room for normal wood expansion, which may cause a failure. When the installation is complete, use wedges or some object to hold wood in place while adhesive dries. Remove wedges after initial setting of adhesive (approximately 2 hours) to allow for normal expansion of wood. Failure to remove wedges can cause the wood flooring to buckle and pop off the substrate.
5. Roll and cross roll floor with a 100-150 lbs (45-70 kg) roller at the end of the installation to ensure proper transfer of adhesive.
6. When installing unfinished wood flooring, wait a minimum of 72 hours before sanding.
7. Restrict light traffic for a minimum of 16 hours. Restrict heavy traffic for a minimum of 24 hours after installation is complete.

PHYSICAL PROPERTIES

VOCs: 0.5 grams / liter
Appearance: Off white, smooth, easy-to-spread mastic.
Working time: Approximately 50-70 minutes, depending on job site conditions.
Shelf life: One year in unopened container at 70° F (21.10°C).
Flammability: Non-flammable, qualified for NFPA Class A and UBC Class 1 fire ratings as determined by the ASTM E-84 Tunnel Test. Conforms to the requirements of the Hill-Burton Act and passes the Pill Test.
Other Features: Freeze/thaw stable to 10º F. Waterproof bond when dry and cured. Made with anti-microbial agents that will provide its dry film with protection from fungal growth. This protection is determined using the ASTM G21 test method.
Clean Up: Remove wet adhesive with a water dampened cloth. If adhesive has dried, clean-up with Adhesive Remover.

CAUTION

DO NOT take internally. If swallowed, DO NOT induce vomiting. Call a physician immediately. KEEP OUT OF REACH OF CHILDREN.

WARRANTY INFORMATION

This product is manufactured according to exacting quality control standards and is warranted to be free from manufacturing defects. Defective material called to our attention within one year of manufacture will be replaced. No guarantee, expressed or implied, is made regarding the performance of this product since the manner and conditions of application are beyond our control.
For complete Technical & Warranty information (including MSDS specifications) call Anderson Technical Services at 864-408-3000. You may also visit us on the web at www.AndersonFloors.com

MATERIAL SAFETY DATA

SECTION I IDENTIFICATION

Manufactured For: Anderson Floors
110 Milacron Dr
Fountain Inn, SC 29644
864.408.3000
Manufactured By: W.F. Taylor Co., Inc.
11545 Pacific Ave.
Fontana, CA 92337
951.360.6677
Emergency Phone No.: 800.535.5053
Manufacturer's Code Identification: MSPlus-3.5-AN
Product Class: MS Polymer-Resin Blend
Trade Name: Anderson Bear Hug™ 3X Triple Option Wood Flooring Adhesive

Date Revised: 05/30/14

SECTION II HAZARDOUS INGREDIENTS

None per OSHA Regulation: 29 CFR 1910.1200
SARA Title III Section 313 Chemicals: None

NFPA	HMIS
	H = 1
	F = 0
	R = 0

SECTION III PHYSICAL DATA

Boiling Point: No Data
Lbs/Gal: 13.9.–14.2
Evaporation Rate/Vapor Density: Low
Vapor Pressure: Low
Percent Volatile: 0 (by weight), 100% solids
Color: Off White
Odor: Mild
Grams: 0.5 VOC per liter of material
Grams: 0.5 VOC per liter of coating

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point, Pensky-Marin C.C.: NA
Auto Ignition Temperature, Degrees F: NA
LEL: NA **UEL:** NA
Extinguishing Media: Water spray, CO2, foam, dry chemical
Unusual Fire and Explosion Hazards: None Known
Special Fire Fighting Procedures: Use self-contained breathing apparatus and turn out gear. Water may be ineffective but should be used to keep the exposed containers cool.

SECTION V HEALTH HAZARD DATA

Symptoms of Over Exposure:
Eyes: vapor may cause irritation
Skin / Inhalation: may cause slight irritation
Ingestion: May cause vomiting. Symptoms may be the same as inhalation.
First Aid Procedures:
Eyes: Flush with water
Skin: Wash with soap and water
Inhalation: Remove to fresh air. Administer oxygen if necessary.
Ingestion: if swallowed, call Physician

SECTION VI REACTIVITY DATA

Stability: Stable
Conditions to avoid: Protect from freezing, excessive heat
Incompatibility/Materials to avoid: Metal salts may coagulate the product
Hazardous decomposition products: oxides of carbon, water, and organic compounds of unknown structures
Hazardous polymerization: Will not occur

SECTION VII SPILL OR LEAK PROCEDURES

Steps to Be Taken if Material is Spilled: Keep out of sewer systems to prevent blockage due to polymer deposits. Scrape up to collect and place into closed containers for disposal.
Waste Disposal: Abide by all Federal, State, and local regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiratory protection: NIOSH respirator if needed
Ventilation: Local exhaust
Protective gloves: Chemical resistant gloves, apron, coveralls and boots as necessary to prevent contact
Eyes: Chemical goggles or face shield
Other protective equipment: If clothing becomes contaminated, remove and clean before wearing again.

SECTION IX SPECIAL PRECAUTIONS

Precaution for Handling and Storing: Protect against physical damage. Store in a cool, dry place (50-90F). Keep away from heat and sparks. Keep from freezing.
KEEP OUT OF REACH OF CHILDREN