



ADHESIVE TECH DATA SHEET

FreiFloor™ 1

SOLVENT FREE NON-PVC FLOORING ADHESIVE

ENVIRONMENTAL/PERFORMANCE:

Solvent-Free, Non-hazardous, Low odor/odorless when dry, Excellent aged bond,
Excellent water resistance
V.O.C.: 0 Lbs/Gal. (SCAQMD Rule 1168) 0 G/L

DESCRIPTION:

FreiFloor™ 1 Adhesive is a premium (non-staining) acrylic adhesive, especially designed to permanently install resilient Non-PVC Tile, Non-PVC Plank, and Non-PVC sheet flooring. While designed specifically for Non-PVC resilient materials, it also has excellent performance when used with rubber sheet, tile, and stair treads.

It may be used on all grade levels of concrete on, above or below grade in the absence of moisture, as well as suspended approved wood floors (APA). This adhesive is non-flammable, water and alkali resistant and freeze-thaw stable 5 cycles to 0 degrees F as tested in accordance with ASTM D 7149. FreiFloor™ 1 has excellent resistance to plasticizer migration and sets to a tough permanent bond.

PHYSICAL PROPERTIES:

Wt. /Gallon (lbs): 9.7
Consistency: White paste
Freeze thaw: 5 cycles @ 0oF
Shelf life: 1 yr @70oF in unopened container

COVERAGE: Approx. 125-150 sq. ft. /gal with 1/16" square notch
Approx. 225-250 sq. ft. /gal with 1/16" x 1/32" x 1/32" U- notch

CLEAN UP: Soapy water followed by Mineral Spirits. DO NOT APPLY SOLVENT DIRECTLY TO FLOORING MATERIAL.

SUB-FLOOR PREPARATION:

All sub-floors must be clean, dry, free of dust, dirt, wax, paint, grease or any other contaminants that might interfere with the adhesive bond. Cracks and uneven surfaces must be filled with an approved cementitious based patching compound.

It is essential that moisture tests be performed on all concrete sub-floors regardless of grade level or whether or not the concrete is freshly poured or is classified as an older slab. Moisture testing should be performed employing ASTM F 1869 Calcium Chloride Test with moisture levels not to exceed five (5) pounds per Twenty-Four (24) hours per one thousand (1000) square feet or ASTM F 2170 In Situ Relative Humidity Test with moisture levels, relative humidity, when measured by this method, not to exceed seventy-five (75) percent. If the test results exceed the limitations, the installation should not proceed until the problem has been corrected. Additional information with regard to sub-floor installation and requirements can be found in ASTM F-710.

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ADHESIVE TECH DATA SHEET (Cont.)

INSTALLATION INFORMATION:

1. Flooring materials and adhesive must be acclimatized to the installation area for a minimum of 24 hours prior to the installation.
2. Dry fit and inspect all flooring BEFORE installation. Tile installed with obvious defects is not covered under warranty.
3. The area to receive flooring should be fully enclosed, weather tight, with the permanent HVAC system set and maintained at a minimum temperature of 65° F for 48 hours prior to, during and after installation.
4. FreiFloor™ 1 is recommended for porous and non-porous applications.
NOTE: It is the responsibility of the user to determine whether or not the sub-floor to be covered is porous. To determine if a sub-floor is porous, place two droplets of water in various areas. If the sub-floor is porous, the water will be absorbed within a few seconds.
5. Use a 1/32" x 1/16" x 1/32" U notch trowel for materials equal to or less than 0.80 gauge or 2mm.
6. Use a 1/16" x 1/16" x 1/16" square notch trowel for materials thicker than 0.80 gauge or 2mm.
7. Replace worn trowels. (DO NOT RE-NOTCH) to ensure proper spread rate.
8. FOR POROUS APPLICATIONS, once troweled the adhesive should be allowed to remain open (flash-off) for approximately 5-10 minutes before placement of the flooring material.
9. Once placed the material should be rolled immediately utilizing a 100-pound three-section roller.
10. FOR NON-POROUS APPLICATIONS, the adhesive must be allowed to dry to the touch, so that there is little or no transfer of adhesive to the finger.
11. Once the adhesive dries to the touch, it is ready to accept flooring material.
12. Install tile with all arrows on reverse facing in the same direction if applicable. Failure to do so is an installation failure not a product failure.
13. Roll immediately after the flooring material has been placed into the adhesive with a 100 lb roller.
14. From the time the adhesive is allowed to dry to the touch, to the time it must be covered is approximately 45 minutes depending on temperature and humidity.
15. When a fine notch trowel is used on non-porous applications the time the adhesive is allowed to be open after dry to the touch may be shortened. Trowel ridges should be pliable and not hard for installation to proceed.
16. If the adhesive is allowed to remain uncovered, after initially drying to the touch, for periods longer than the recommended time, a loss in adhesion strength will result. Care must be taken by the installer not to spread more adhesive than can be worked appropriately within the recommended time frame.
NOTE: If any questions exist by the installer or floor-covering dealer as to whether or not this product is appropriate, contact Allstate's Technical Service Department.
17. Follow Allstate's installation instructions, and recommendations as to seaming and sealing.
18. Prevent all traffic for a minimum of 24 hours and heavy traffic and rolling loads for 72 hours.
19. Do not wash or clean the floor for a minimum of 3-5 days after installation is completed to allow adhesive to properly bond and cure.

FOR MORE INFORMATION READ MATERIAL SAFETY DATA SHEET
KEEP OUT OF REACH OF CHILDREN
24 HR. EMERGENCY PHONE: 800-424-9300 (CHEMTREC)

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