



**POWERHOLD**

# WOOD FLOORING ADHESIVE

**Pisos De Madera Adhesivo**

## DESCRIPTION

Powerhold 7050 is a one component 100% solids, cross linking, MS polymer-based adhesive that has good concrete moisture inhibition capability and good sound reduction properties. This solvent and isocyanate free adhesive has negligible VOC content, is non-flammable, contains no hazardous chemicals per OSHA Regulation CFR 1910.1200, and is a low odor adhesive that meets all federal, state, and local governmental indoor air quality regulations. Powerhold 7050 has a good early strength buildup for immediate grab and quickly builds into a tenacious but elastic resilient bond as the adhesive cross-links.

## USE TO INSTALL

For the interior installation of wood block parquet, engineered wood plank, acrylic impregnated plank, bamboo and pre-finished and unfinished solid wood flooring.

## FOR USE OVER

Powerhold 7050 can be used over APA grade underlayment plywood, association grade particleboard, fully secured cork underlayments, existing well-bonded vinyl, tile and sheet flooring, terrazzo, cementitious and anhydrite screeds, concrete, and radiant heated subfloors where surface temperatures do not exceed 85°F (30°C). Install above, on, or below grade, in the absence of excessive moisture. While this adhesive is waterproof when cured, the wood flooring still must be protected from excessive moisture.

## PRIOR TO INSTALLATION

Substrate must be sound, smooth, level, clean and dry. It must be free of dust, dirt, wax, loose paint, all 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 (5mm in a 3m span). For regular wood flooring applications not involving the moisture inhibition system, using included 3/16"x1/4"x1/2" flat V notch trowel with spacers, moisture levels of concrete must be below 3 lbs. per 1,000 square feet per 24 hours (1.36 kg per 92.9 m<sup>2</sup> 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 wood flooring manufacturer, generally a maximum of 75% RH. Follow wood flooring manufacturer's guidelines for allowable levels of moisture. Wood underlayments must have a moisture content below 12% using a Tramex or Delmhorst wood moisture meter. For concrete slabs with elevated moisture levels up to 10 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 included 3/16"x1/4"x1/2" flat V notch trowel with spacers.

Note: When installing thin gauged wood (solid or engineered), 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 30% and 65% relative humidity, subject to the floor manufacturer's requirements. Open time will vary with temperature and humidity or

porosity of the substrate.

NOTE: Wood flooring must be exposed to the air when being acclimated. However, follow the wood flooring manufacturer's guidelines regarding site conditions and installation.

## INSTALLATION INSTRUCTIONS

1. Follow wood flooring manufacturer's guidelines for layout, design and any special precautions for installation.
2. Spread adhesive using recommended trowel (see trowel 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. Wood flooring manufacturer's and Powerhold's written pre-installation and installation instructions, including acclimation of the wood flooring, must be strictly followed or the warranty will be void.
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 tape to temporarily hold the edges together may be necessary until installation is complete.
4. When installing near a solid object or wall, leave ample room for expansion (see flooring manufacturer's recommended expansion guidelines). 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 hrs) 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 hrs before sanding.
7. When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. Floor temperature must not exceed 85°F (30°C).
8. Restrict light traffic for a minimum of 16 hrs and heavy traffic for a minimum of 24 hrs after installation is complete.
9. While this adhesive is freeze-thaw stable it is necessary to protect it from freezing.
10. Call Technical Support for installation instructions on wood over 5 in. wide or 6 ft. long.

## FIRE RATINGS

Meets NFPA Class A and UBC Class 1 as determined by ASTM E-84 and also passes the Pill Test.

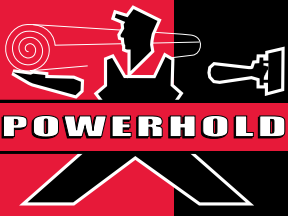
## CAUTION

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

## NOTICE

It is the installers responsibility to review all guidelines prior to installation. These are available at [www.powerhold.com](http://www.powerhold.com). Any variances from these procedures will become the responsibility of the installer and not the manufacturer.

**7050**



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## TECHNICAL SPECIFICATIONS

For Product No.:.....7050  
Powerhold Trade Name:.....Wood Flooring Adhesive  
VOC's:.....Negligible  
Base:.....Modified Saline  
Color:.....Off-White  
Consistency:.....Smooth & Easy To Spread Mastic  
Working Time:.....Approximately 60 minutes, Depending On Jobsite Conditions  
Flammability:.....Nonflammable  
Freeze Thaw Stability:.....Freeze/Thaw Stable to 10° F (-12° C).  
Clean Up -  
When Adhesive is dry: .....Powerhold 50 Cleaning Solvent

## PACKAGING

4 Gallon (15.14L) Black Plastic Pails

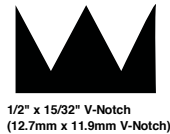
## SHELF LIFE

1 - Year when stored in original, unopened container at 70° (21°C).

## COVERAGES (APPROXIMATE)

### \* For Moisture Control, Crack Isolation, Sound Reduction, And Wood Adhesion:

For Solid, Engineered, & Bamboo Wood Flooring Greater Than 9/16" Thick For Wide/Long Plank  
Estimated Coverage 20 sq ft/gal



For Solid, Engineered, & Bamboo Wood Flooring Less Than 9/16" Thick Estimated Coverage 30 sq ft/gal



### \* For Only Wood Adhesion:

For Dry-Back Wood Parquet Flooring Estimated Coverage 60-70 sq ft/gal



For Solid, Engineered, & Bamboo Wood Flooring  
Estimated Coverage 50-60 sq ft/gal



Note: Coverage is approximate and may vary depending on porosity of substrate and the amount of adhesive applied. Recommended tools are not 100% to scale.