



**POWERHOLD**

# URETHANE WOOD FLOORING ADHESIVE AND MOISTURE BARRIER

**Adhesivo de uretano y barrera contra humedad  
para pisos de madera**

## DESCRIPTION:

Powerhold 7950 is a premium, one-component, urethane adhesive membrane that requires no preinstallation moisture testing. This product can be used as an adhesive as well as a moisture vapor barrier. This is ideal for all types of engineered, solid or acrylic impregnated wood flooring and bamboo flooring, designed to be installed using the glue down installation method. When used as an adhesive and moisture barrier, Powerhold 7950 reduces moisture to acceptable limits. Powerhold 7950 can be used on concrete slabs; cured leveling compounds; OSB (underlayment grade); plywood (underlayment grade); ceramic tile, terrazzo and cement backer board.

## RECOMMENDED SUBSTRATES:

When properly prepared, suitable substrates include:

- Concrete slabs
- Cured leveling compounds
- OSB (underlayment grade)
- Radiant heated subfloors
- Plywood (underlayment grade)
- Ceramic tile
- Terrazzo
- Cement backer board

## SUBFLOOR PREPARATION:

The subfloor must be checked according to NWFA guidelines. Ensure that the subfloor is structurally sound, cured smooth, dry, clean and free from dust, dirt, grease, old adhesive, curing agents, sealers, cutback or any other contaminants that could interfere with a good adhesive bond.

**Concrete Slab:** Must be cured at least 28 days. Do not use in areas subject to hydrostatic pressure or with pre-existing moisture conditions. pH should be between 7-10. The subfloor must be dry to the touch and not visibly damp. Slab must be prepared to receive flooring in compliance with ASTM F710 and NWFA guidelines. Slabs over a year old with high moisture readings indicate a moisture problem related to hydrostatic pressure, broken water pipes, or improper maintenance. These issues are not covered by our warranty.

**Terrazzo:** Surface should be sanded so that all polishes and glaze compounds are stripped. After sanding, thoroughly vacuum, and clean the substrate with mineral spirits and allow to dry before installing the wood flooring.

**APA approved Plywood and OSB Type Subfloors:** Panels must be securely fastened. Eliminate all movement with

screws. Sand all high joints. Fill and patch low areas. Refer to wood flooring manufacturer for guidelines of moisture content difference between properly acclimated wood flooring and subfloor materials.

**Radiant Heated Subfloors:** Check flooring manufacture's specifications to determine if the wood flooring is approved over radiant heated subfloors. 7950 is approved for use on hydronic system radiant heated subfloors, provided the system is fully embedded in concrete. Lightweight toppings must be primed first. Turn off the heat 48 hours prior to the installation and leave the heat off until 48 hours after the installation is completed.

## DIRECTIONS:

1. Prepare the surface according to NWFA guidelines. Ensure that the subfloor is structurally sound, cured smooth, dry, clean and free from dust, dirt, grease, old adhesive, curing agents, sealers, cutback or any other contaminants that could interfere with a good adhesive bond.

**Concrete Slab:** Must be cured at least 28 days. Do not use in areas subject to hydrostatic pressure or with pre-existing moisture conditions. pH should be between 7-10. The subfloor must be dry to the touch and not visibly damp. Subfloor must be flat (3/16" (4.8 mm) in 10' (3.05 m) radius or 1/8" (93.2 mm) in 6' (1.8) radius. Slab must be prepared to receive flooring in compliance with ASTM F710 and NWFA guidelines. Slabs over a year old with high moisture readings indicate a moisture problem related to hydrostatic pressure, broken water pipes, or improper maintenance.

**Terrazzo:** Surface should be sanded so that all polishes and glaze compounds are striped. After sanding, thoroughly vacuum, and clean the substrate with mineral spirits and allow to dry before installing the wood flooring.

**APA approved Plywood and OSB Type Subfloors:** Panels must be securely fastened. Eliminate all movement with screws. Sand all high joints. Fill and patch low areas. Refer to wood flooring manufacturer for guidelines of moisture content difference between properly acclimated wood flooring and subfloor materials.

**Radiant Heated Subfloors:** Check flooring manufacture's specifications to determine if the wood flooring is approved over radiant heated subfloors. Powerhold 7950 is approved for use on hydronic system radiant heated subfloors, provided the system is fully embedded in concrete. Lightweight toppings must be primed first. Turn off the heat 48 hours prior to the installation and

**OSB**  
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leave the heat off until 48 hours after the installation is completed.

2. Read and understand all Safety Data Sheets prior to installation. Follow requirements provided by the flooring manufacturer.

Moisture Control Method:

3. Trowel the adhesive parallel to wood flooring in 2'-3' (.6-.9 m) sections and place wood immediately into adhesive. Spread adhesive beyond where the last row of flooring stops to ensure there are no voids between stopping and starting points. 100% adhesive coverage is required for moisture protection.
4. Trowels will wear down over time and must be changed regularly to achieve correct coverage.

Glue Down Only Method:

3. Concrete moisture testing must be performed in accordance with ASTM F2170 with levels not to exceed 75% and/ or ASTM F1869 with levels not to exceed 3 lbs./1000 ft<sup>2</sup>/24 hrs. (4.54 kg/93 m<sup>2</sup>/24 hrs.). Maximum acceptable floor variation is 3/16" in a 10-foot radius (4.7 mm in 3 m). Concrete slabs should be cured at least 28 days. pH must be between 7-10. Do not use in areas with hydrostatic pressure.
4. Subfloor moisture levels must not exceed wood flooring manufacturer's guidelines. If it does, use the moisture control method.
5. Do not spread more adhesive than can be covered within 30 - 45 minutes.
6. Good transfer of the adhesive to the wood is critical. Coverage should be approximately 90%. Pull back a newly installed board periodically and inspect the coverage.
7. Trowels will wear down over time and must be changed to achieve correct coverage.

#### RESTRICTIONS:

1. Do not use where there is hydrostatic pressure.
2. Indoor use only.
3. Do not use over substrates or slabs treated with sealers or curing compounds.
4. Do not use on wet, dusty, contaminated or brittle substrates

#### CAUTIONS

Read complete cautionary information printed on product container prior to use.

#### CLEAN-UP:

Remove the adhesive from the wood floor surface as soon as possible before the adhesive dries. Use a soft cloth and mineral spirits carefully to not harm the finish. Clean equipment and tools with mineral spirits while the adhesive is still wet.

#### WARRANTY:

Powerhold offers a limited warranty for this product when used in accordance with printed specifications. A copy of the limited warranty can be obtained by calling technical service at 800-832-9023 or visiting [powerhold.com](http://powerhold.com).

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# 7950

## TECHNICAL DATA:

pH:.....	N/A
Consistency:.....	Creamy liquid
Trowelability:.....	Smooth
Storage:.....	40°-95°F (4.4°-35°C) in a cool, dry location
Application Temperature:.....	65°-95°F (18°-35°C)
Traffic Restrictions:.....	Foot Traffic after 8 hours, Heavy Traffic after 24 hours
Open Time:.....	Up to 45 minutes, depending on ambient conditions
Freeze/Thaw Stability:.....	Store above 40°F (4.4°C) in a cool, dry location

## PACKAGING

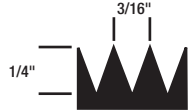
3.5 Gallon (13.25 L) Black Metal Pails  
 5 Gallon (18.93 L) Black Metal Pails

## SHELF LIFE

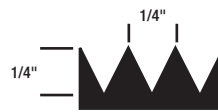
One Year in Unopened Container

## RECOMMENDED TROWEL SIZE AND COVERAGE:

### ADHESIVE AND MOISTURE BARRIER

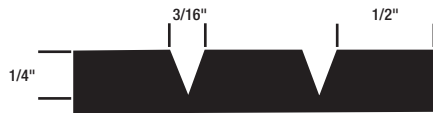


5/8" or less Engineered Plank/Bamboo  
 1/2" - 5/8" Solid Wood Plank/Shorts  
 Use a 3/16" x 1/4" V-notch  
 35-40 sf/gallon

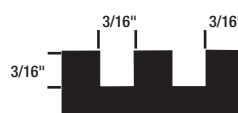


3/4" Solid Wood Plank, Shorts or Plywood  
 Use a 1/4" x 1/4" V-notch  
 30-35 sf/gallon

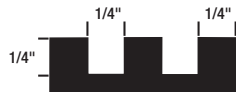
### ADHESIVE FOR SUBFLOORS WITH < 3 LBS/1000 FT<sup>2</sup>/24 HOURS OR 75% RH



Engineered Plank/Bamboo 1/2" or less  
 and less than 7" wide  
 Use a 3/16" x 1/4" x 1/2" V-notch  
 60-70 sf/gallon



Engineered Plank/Bamboo thicker than 1/2"  
 or 7" or wider  
 Use a 3/16" x 3/16" x 3/16" Square-notch  
 35-40 sf/gallon



Solid Wood Plank, Shorts or Plywood  
 Use a 1/4" x 1/4" x 1/4" Square-notch  
 25-30 sf/gallon