

PRODUCT DATA SHEET

DECCOBOND 918

GLUEDOWN

Moisture Cure Urethane Wood Flooring Adhesive

PRODUCT NAME: DECCOBOND 918 – GLUEDOWN MOISTURE CURE ADHESIVE**PRODUCT DESCRIPTION:**

DECCOBOND 918 GLUEDOWN is a one part, moisture cure wood flooring urethane adhesive. It does not contain any water and is LEED® and VOC compliant. Cured films are waterproof and not adversely affected by moisture or water exposures. It has superior elastomeric & resilient properties which allow the cured adhesive to expand and contract together with the installed hardwood over the life of the floor. This revolutionary urethane formulation with 100% solid is ideal for wood flooring glue-down installation over in-floor hot water radiant heated subfloor.

APPLICATION:

DECCOBOND 918 GLUEDOWN may be used to adhere all solid plank flat milled, engineered hardwood, acrylic impregnated laminates, plywood, bamboo, cork without vinyl backing, and parquet wood flooring.

Directions:**Surface Preparation**

Surfaces must be clean, dry and smooth, free of voids, loose materials, projections, oil, old adhesive, wax, sealers or other contaminants. When solid wood is used, ensure that complete removal of cutback adhesive residues by sandblasting or scarifying. Scouring with a 20 grit sandpaper will remove most compounds. All loose materials must be vacuumed from floor. The maximum acceptable floor variation is 3/16 inches per 10 feet. If surface patching or leveling is required, it must be done with Portland cement based leveling compound with high compressive strength.



*Superior Quality.
Extra Easy.
Revolutionary.*

- Does not contain water .1*
- Cured film is waterproof .2*
- Ultimate bond strength .3*
- Will not slump .4*
- Easy spread & trowel .5*
- Elastomeric & resilient .6*
- VOC compliant .7*
- 100% Solid .8*

*Ideal for installation over
radiant heated subfloor. 9*

**APPLICATIONS**

- **Solid Hardwood**
- **Engineered Hardwood**
- **Bamboo**
- **Cork**
- **Parquet**

** Trademark of Oakline Products, USA*

Acceptable subfloors – Plywood, underlayment grade OSB boards, in-floor hot water radiant heated concrete slabs, and fully cured concrete. Adhesive can be used to install plywood on ceramic tile, marble, and stone inlays for commercial or residential application. Avoid installation in below grade concrete slabs due to movement of wood flooring that is exposed to high water table.

Installation

Begin the installation with an “Anchor” or starter row properly secured to the subfloor. The Anchor row must be able to withstand any movement when the subsequent planks are pushed during installation. Then adhesive is applied to the substrate with the suitable trowel as recommended. Begin laying the wood flooring from the “Anchor” or starter row, working into the field. Work on a small section at a time to ensure proper adhesive transfer, the wood is well seated into the adhesive. Wedges can be used to tighten the wood floor, and must be removed once the adhesive cured, to allow for natural expansion and contraction under normal room temperature conditions. Rolling is recommended where necessary.

Wet Lay Method: Spread the adhesive and begin laying the wood flooring immediately. It is not advisable to walk on top of the floor that is just laid. Clean off any adhesive smudges or residues on the pre-finished floor before curing begins. **DECCO® GLUE REMOVER** is recommended for pre-finished planks without damaging the pre-finished surfaces.

Dry Lay Method: Trowel adhesive over a large area and allow adhesive to “flash” for the recommended amount of time before installing the wood planks or engineered hardwood. It is important to check the Open time of the adhesive. Flash time must not exceed the Open time of the adhesive. Flash time should not exceed 90 minutes.

Plywood on: Use 3/4 inch exterior grade plywood, and scour with circular saw the reverse side of the plywood; scoring will reduce the tension of the plywood and minimize possible warping or curling of the plywood. Use 1/4” x 1/4” x 1/4” square notch trowel to apply adhesive onto sub-floor. Set plywood onto wet adhesive and allow the adhesive to fully cure before installing hardwood or engineered hardwood floor.

Below Grade: Caution must be taken for all below grade installation. Check manufacturers’ instruction to see if wood flooring is allowed to be installed below grade. Key factors to consider, such as moisture and lack of dimensional stability with solid wood planks. Moisture must be tested, using calcium chloride test or alternative. Reading greater than 3lbs per 1000 sq. ft in a 24 hours test can be a challenge. Avoid areas subjected to hydrostatic head.

DECCOBOND 918 GLUEDOWN is designed to work well with **DECCO® URETHANE MOISTURE BARRIER (MB) SYSTEM**. **DECCO® URETHANE MB SYSTEM** will reduce and prevent moisture transmission from subfloor.

Trowel Recommendation:

Trowel size is recommended to get the maximum coverage of glue over the floor. It is important to note that, in case of engineering hardwood floors, a minimum of 80% coverage is required; for hardwood solid milled planks, a minimum of 95% coverage is required. In cases of uneven subfloor or patching, a leveling or patching material is required. In case of doubt, use a larger notched trowel for better coverage.

1/8" x 1/8" x 1/8" Square Notch Finger Block Parquet Coverage: 80 ft ² /Gallon	1/4" x 1/4" x 1/8" Square Notch > 1/2" Engineered, ≤ 1/2" Solid Hardwood Flooring & 3/4" Parquet Coverage: 40 ft ² /Gallon	1/4" x 1/4" x 1/4" Square Notch 1/2" Flat Milled Solid & Shorts or Plywood Coverage: 35 ft ² /Gallon	3/16" x 5/32" V Notch ≤ 1/2" Engineered Hardwood Flooring Coverage: 50 ft ² /Gallon

Clean Up:

DECCOBOND 918 GLUEDOWN adhesive cured films form a tenacious bond with the hardwood and any glue residues or smudges left on the pre-finished hardwood surfaces must be cleaned before the films become dry. Adhesive residues can be cleaned with mineral spirit and soft rag within 4 hours after adhesive application. Forced removal of residues may scar pre-finished surfaces. Use **DECCO® GLUE REMOVER** for best cleaning result without damaging the pre-finished surfaces.

Trowel & Tools Clean Up:

Before use, cover the greater portion of the trowel with removable tapes, leaving notched areas. After use, simply tear off tapes before adhesives become dry, and clean remainder of the trowel with **DECCO® GLUE REMOVER**. Frequently cleaning of the notches on the trowel will produce regular spread of uniform glue ridge.

VOC Compliant: 2 grams/liter

LEED® Compliant

Cure Time: Keep out traffic until adhesive is fully cured, light foot traffic in about 10 – 12 hours, normal traffic after 24 hours.

Open/Working Time Chart:

Humidity has a greater effect on cure rate than temperature.
The higher the humidity, the faster the adhesives cure.

Temperature	Condition	Humidity/Open time (minutes)		
		40%	60%	80%
15° C (59° F)	Open	240	220	200
20° C (68° F)	Open	180	160	140
25° C (77° F)	Open	140	120	100

STORAGE:

DECCOBOND 918 GLUEDOWN adhesive is stable. Stores well at 20° C room temperature for at least 12 months from date of manufacture. Do not store next to heaters or very high temperatures of 70° C or more.

KEEP FROM FREEZING

PHYSICAL PROPERTIES			
Type	Urethane	Viscosity	100,000 cps
Appearance	Light Beige Paste	Odor	Mild
Solids	100%	Flammability	180° C Closed Cup
Weight/gallon	5 Kg	VOC	2 g/L

PACKING INFORMATION			
Size	Units/Case	Kg/Case	Units/Pallet
1 Gal. Metal Can	4	20	144
3 Gal. Metal Pail	1	15	48

