



Since 1990

# DECCOBOND 180

## Roofing Adhesive

### DESCRIPTION:

**DECCOBOND 180 Roofing Adhesive** is a premium grade, high performance hydrophobic hybrid polymer, highly resilient, roofing adhesive for EPDM, TPO and different types of roofing membranes. It is environmentally friendly, solvent & odor free, non-flammable, LEED® compliant, VOC & isocyanates free. Cured films are alkali resistance and waterproof, which makes it suitable for commercial-grade installations. It has flexible open working time, superior bond strength, flexible & resilient setting properties which makes the cured film stable and form a moisture barrier and an anti-fracture membrane that can bridge cracks up to 1/8". **DECCOBOND 180** contains anti-microbial protection which inhibits molds in damp environment.

### APPLICATION:

**DECCOBOND 180 Roofing Adhesive** may be used as single-sided, wet lay on horizontal surfaces with EPDM. It can also be used for double-sided contact adhesive with standard TPO. It is ready to use and no mixing required.

### DIRECTIONS:

#### Surface Preparation:

All surfaces must be structurally sound and stable. Surfaces must be clean, dry and smooth, free of voids, loose materials, projections, oil, old adhesive, wax, sealers or other contaminants that may compromise the adhesion of the installation of the roof. Voids or step-offs greater than is 1/4 inches (6 mm) shall be patched using patching compounds, mortar, epoxy or other approved patching materials. Remove all sharp projections or protrusions by scrapping, sweeping, and vacuum cleaning before installation.



## Superior Quality. Revolutionary.

- **Strong & Resilient**
- **Ultimate Bond Strength**
- **Moisture Barrier & Waterproof**
- **Easy Roll-on or Spray Applied**
- **Commercial-Grade**
- **Odor, VOC & Isocyanates Free**
- **High Solids**
- **Anti-microbial & Anti-fracture Membranes**
- **Suitable for Fleece & non-Fleece Backing Membranes**

## Applications

- **EPDM**
- **TPO**
- **Fleece or non-fleece Backing**
- **Rubber Membranes**

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**Acceptable Substrates:**

Most wood substrates, OSB board, plywood, high density fiberboard, gypsum fiber roof board, masonry, concrete, metal surface, and roof insulation foam. Other approved substrates per roofing manufacturer.

**Installation:**

Begin the installation by applying **DECCOBOND 180 Roofing Adhesive** to the substrate using commercially available paint roller. For open time and working time (see **Open/Working Time**). Ensure substrate has complete even coat of adhesive to achieve ultimate bond strength. Rolling the roofing membrane is recommended to remove any trapped air bubbles under the roofing membrane and to ensure both bonding surfaces have full contact with each other. For edges installation, apply adhesive on both sides of the substrate and membrane. Allow adhesive to dry to touch before bringing both surfaces together. Install roofing membrane per the roofing membrane manufacturer’s recommendations.



For spray application, follow the equipment manufacturer’s safety and procedures recommendation. Typical nozzle sizes are between 0.02” – 0.025”. Minimum fluid pressure of 2,500 psi. Result may vary based on equipment manufacturer. Back rolling is recommended.

**Clean Up:**

Clean off any adhesive smudges or residues on the roofing membrane before curing begins with water.

**Coverage:**

Paint rollers with synthetic cover materials are recommended. Different roller nap lengths may be used for different surface textures to get the maximum coverage of adhesive over the surfaces.

For roller nap of 3/8” to 1/2”, typical adhesive coverage for various substrates are as below:

Subfloor Type	Coverage (ft <sup>2</sup> /Gallon)
Plywood	140 – 150
Fiberboard	150 – 160
Concrete (smooth)	160 - 170

It is important to note that, the actual coverage of adhesive may vary based on roller nap length, substrate surface conditions, and the roofing membrane manufacturer’s product backing texture and characteristic.



**VOC Compliant:**

Zero grams/liter SCAQMD Rule #1168 (South Coast Air Quality Management District).

**LEED Credit:**

**DECCOBOND 180 Roofing Adhesive** may contribute to LEED certification projects based on the following categories.

LEED CREDIT	
LEED (Version 3.0)	LEED Point
Regional Materials (MR Credit 5.0)	2
Low-Emitting Materials (IEQ Credit 4.1)	1

**Cure Time:**

Between 24 – 48 hours.

The above data are the results of carefully executed investigation. We do not guaranteed the applicability of this information or suitability of our products in any given situation, because we cannot control the wide range of possibility. The products discussed are sold without warranty, either express or implied. User and/or Buyer assume all risks and liability for the results obtained whether used singly or in combination with other products. Our liability for all damages hereunder shall in no case exceed the purchase price of the quantity consumed of the particular shipment with respect to which such damages may be claimed.

### Open/Working Time Chart:

Actual open/working times may vary based on temperature, humidity, substrate, and jobsite conditions, and roofing manufacturer's product, backing texture and characteristic.

Products	Open (minute)	Working Time (hour)
EPDM	15 – 30	1.5
TPO	15 – 30	1.5
Fleece Backing	15 – 25	1.0

### STORAGE:

**DECCOBOND 180 Roofing Adhesive** is stable. Stores well at 20° C room temperature for at least 12 months from date of manufacturing in closed, original packaging. Do not store next to heaters or very high temperatures of above 70° C. **KEEP FROM FREEZING.**

PHYSICAL PROPERTIES			
Type	Hybrid Polymer	Viscosity	3,000 cps
Appearance	Off-white Paste	Odor	Mild to None
Solids	60 %	Flammability	Non-flammable
Weight/gallon	4.0 kg	VOC	0 g/L

PACKING INFORMATION		
Size	Kg/Unit	Units/Pallet
3.5 Gal. Pail	14.0	48
5.0 Gal. Pail	20.0	36

