



# DeccoFloor

FLEXIBLE CONCRETE

## MOISTURE BARRIER

Deccofloor Moisture Barrier is a two component, water reducible epoxy primer designed as an adhesion promoter between cement-based overlay toppings or opaque coatings, and hard surface substrates.

Deccofloor Moisture Barrier acts as membrane forming primer, at the same time penetrating the surface of the substrate to promote strong adhesion.

## TARGETS

- ✓ Substrates with underground humidity problems.



## Product Benefits

- Deccofloor Moisture Barrier is an excellent adhesion promoter for all interior and exterior overlay and opaque coating applications.
- Reduces the effects of moisture vapor transmission (MVT).
- Deccofloor Moisture Barrier has excellent adhesion and flexibility.
- Deccofloor Moisture Barrier has a long pot life and open time (minimum 4 hours) to allow direct application of overlays or ' polymer coatings.
- Deccofloor Moisture Barrier is a water-based formulation, with low odor, water clean up, and is VOC compliant in all 50 states.
- Deccofloor Moisture Barrier has a mix ratio of 1:1, and can be diluted with water to reduce solids.

## Pre-Application

1. Surface preparation: When using Deccofloor Moisture Barrier, the surface must be structurally sound and clean—free of dirt, grime and other foreign substances like oils, silicones, all other waterproofing materials, form release agents, curing and parting compounds, and any sign of efflorescence. Surface also must be completely dry before application. If your surface is not clean or completely dry, the sealer may turn white or hazy, or the primer may fail to form a proper film and adhesion.
2. Mixing ratios, surface moisture, application method, and temperature at time of application play a large role in the integrity and long-term durability of this primer. We strongly recommend sampling and testing this material prior to large-scale application.
3. If aggressive moisture movement on interior concrete is suspected, exact moisture movement levels can be measured using a moisture test kit in accordance with ASTM D4263 standards, following the manufacturer's instructions. Moisture measurements of six to eight pounds and below are acceptable. If measurements fall outside of this range, Deccofloor Moisture Barrier should not be applied.

4. Hard troweled burnished concrete must be chemically or mechanically prepared to promote proper adhesion. Extremely dense or burnished surfaces should be slightly abraded to better accept Deccofloor Moisture Barrier .

5. Bluetrade Building Materials INC, utilizes the International Concrete Repair Institute (ICRI) Concrete Surface Profile (CSP) standards for specifying finished surface roughness prior to applying Deccofloor Moisture Barrier. For proper adhesion, the concrete must be a minimum #1 according to the ICRI CSP chart. Contact the ICRI at [www.ICRI.org](http://www.ICRI.org) or BluetradeBuilding Materials INC, for more information on these surface profiles.

6. Deccofloor Moisture Barrier should only be applied to substrates above 50 °F and below 90° F. in a 45-minute period. Pot life is 1 hour.

## Technical Data

Please refer to the corresponding MSDS for hazard-related information.

Color..... Amber Liquid,  
Odor..... Mild  
Solids Content (by wt.)..... 75%.  
Density ..... Approx. 9 pounds per gallon  
Flash Point..... 200 °F (93.3 °C)  
Exterior Durability..... Excellent  
Water Resistance..... Excellent  
Chemical Resistance..... Excellent

## Property Comparison

Pendulum Hardness Development @23 °C/50% RH

1 Day.....37.3  
5 Day.....173.1  
7 Day.....183.9

Approx. Pot life at 23 °C.... 4 hrs.  
Approx. Dry Time.....12 hrs @23 °C/50% RH

Chemical Resistance.... ..Excellent VOC,  
g/L.....250

## Application

Deccofloor Moisture Barrier should be applied only after the concrete has fully cured, approximately 28 days. Warning! Do not apply Deccofloor Moisture Barrier to fresh concrete.

1. Deccofloor Moisture Barrier is not recommended for application over surfaces previously painted or sealed with other sealers.
  2. Before applying the product, test Deccofloor Moisture Barrier in an inconspicuous area for desired results. For application questions, contact Bluetrade Building Materials INC.
  3. The following mixing instructions for Moisture Barrier must be strictly adhered to. Moisture Barrier has a mix ratio of 1 part A to 1 part B. Add Part B (cure) to Part A (resin) in an open container. Mix well. Deccofloor Moisture Barrier will initially turn slightly opaque when mixed but will dry clear. Before Deccofloor Moisture Barrier dries, clean equipment with water.
  4. Deccofloor Moisture Barrier is best applied with a high-quality, 1/4-inch short nap roller.
  5. Deccofloor Moisture Barrier, should not be applied at film thicknesses greater than 10 mils wet per coat. Roll out the primer so it soaks into the surface.
  6. If applying to extremely porous surface (like bead-blasted concrete), test a small amount of the primer in an inconspicuous area to determine the number of coats required for adequate coverage. Porous surfaces may require two coats.
  7. Cement-based top coats and overlays can be applied when Deccofloor Moisture Barrier is tacky.
  8. If broadcasting sand, use coarse grit and broadcast to rejection within 1 hour of primer application. Let the primer cure for 24 hours, then remove excess loose sand.
- Do not apply Deccofloor Moisture Barrier if the surface or ambient temperature is below 45 °F, above 95 °F, or if the temperature is expected to fall below freezing (32 °F) within the 24-hour curing cycle.
  - Failure to remove dirt and debris from the surface or failure to properly clean the surface before the application will result in poor adhesion.

## Limitations and Precautions

- DO NOT mix more sealer than can be used in a 4-hour period. Pot life is 4 hours.
- Do not over apply Deccofloor Moisture Barrier
- Not recommended for use as a primer for clear coatings.
- CAUTION: Do not seal the container after mixing parts A & B.

## Shelf Life and Storage

Deccofloor Moisture Barrier has a shelf life of one year. Store product indoors, away from heat or direct sunlight. Do not allow the product to freeze.

## Coverage Rate and Drying Times

Coverage rates may vary depending on the texture, porosity and condition of the concrete, application method, and other local conditions.

- Smooth Finish: Material usage is 350-400 square feet per gallon/coat.
- Rough or Broom Finish: Material usage is 250-300 square feet per gallon/coat.

Drying times below will vary depending on surface porosity, temperature, humidity and local conditions.

- Recoat: Surface can be recoated within 24 hours of the first coat.

## Package Sizes

Deccofloor Moisture Barrier is available in quart, 2- gallons and 10-gallon kits .

## Applicable Standards

Deccofloor Moisture Barrier complies with the following regulations and requirements:

- ASTM D523 for gloss = 9
- Deccofloor Moisture Barrier conforms to all California air quality requirements

## Product Handling

For complete instructions on handling and use, consult the corresponding Material Safety Data Sheet before using the product.

## Warranty

Deccofloor Moisture Barrier a proprietary product, is warranted to be of uniform quality within manufacturing tolerances. Since control is not exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. Seller's and manufacturer's obligation under this warranty shall be limited to refunding the purchase price of that portion of the material proven to be defective. The user assumes all other risks and liabilities resulting from the use of this product. If you have any questions, please contact Bluetrade Building Materials INC.