

# WB MATTE URETHANE

56% Solids, Matte Finish Water Based Urethane

## Product Description

WB Matte Urethane is a high solids, matte finish, two component water based aliphatic polyurethane. WB Matte Urethane has excellent hardness, abrasion resistance, hot tire resistance, chemical resistance. WB Matte Urethane is low VOC and low odor with multiple uses.

## Benefits & Features

- Low viscosity allows for excellent substrate wetting and penetration
- Provides superior resistance to many common chemicals, solvents and hot tire pick up
- Excellent abrasion resistance that rivals many solvent based products
- Matte finish and low odor make this ideal for many interior applications
- VOC compliant for most areas in the US and Canada

## Technical Information

Solids/Active Content, Percentage by weight	56%
Dry Time - Tack Free	5 - 6 hours
Dry Time - Foot Traffic	16 - 20 hours
Dry Time - Heavy Traffic	4 - 7 days
Recoat Time Window	10 - 14 hours
Application Temperature	50°F - 80°F
VOC (Volatile Organic Compound) Content	Less than 100 grams/Liter
Appearance - Wet	Milky white
Appearance - Dry	Clear and Matte Finish

## Specifications/Compliances

Dried coating is USDA accepted; Meets OTC, CARB & LADCO VOC restrictions

## Approximate Coverage Rates

First Coat: 200 - 300 square feet per gallon at 3 - 4 mils

Coverage rates may vary depending upon surface porosity, texture, application method and prior sealer application. Excessive build up should be avoided.

## Shelf Life

Up to one year from manufacture date in its original, unopened container stored at room temperature

## Packaging

Available in 3 gallon and 15 gallon kits.

### ORRVILLE

133 North Kohler Road  
Orrville, Ohio 44667  
(330) 682-5678

### CLEVELAND

7941 Granger Road  
Cleveland, Ohio 44125  
(216) 573-0770

### COLUMBUS

690 Harrison Drive  
Columbus, Ohio 43204  
(614) 253-3326



www.eco-cretesupply.com

## **Instructions for Use**

**Preparation:** For a thin film build system (2-3 mils) we suggest either mechanical scarification, acid etching (and then neutralize to 7 PH), or diamond grinding until an appropriate profile is accomplished. To ensure adequate adhesion, the substrate must be primed with an epoxy primer such as our Bond Coat, be free of all dirt, oil, dust, and foreign contaminants and applied within the recommended recoat time of the primer used. Prior to application of the primer a test should be made to determine that the concrete has an acceptable vapor barrier. This can be done by placing a 4'x4' plastic sheet on the substrate and completely tapping down the edges. If after 24 hours, the substrate is still dry below the plastic sheet, then the substrate does not show signs of eventual hydrostatic pressure problems that may later cause loss of adhesion. Adhesion tests are recommended prior to using.

Substrate and air temperature must be not less than 40°F and not exceed 80°F. If applied outside these limits the sealer may not achieve adequate film formation and may have excessive air entrapment, bubbles, blushing or hazing. Note that in direct sunlight, substrate temperature can exceed 150°F which can cause extreme bubbling issues.

**Mixing:** If mixing less than a full kit, mix Part A & Part B separately with a stir stick, low speed mixer or vigorously shake container prior to blending the smaller kit to ensure uniform distribution of all ingredients. Pour a full pre-packaged kit of 2 part of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and homogenous. Water based two part systems need to be mixed well for adequate cure and a streak free finish.

**Application:** Apply the mixed material by brush or roller to a primed surface with a 3/8" nap - 3/4" nap shedless roller cover at a rate of 4-6 wet mils within the usable pot life time frame, as well as the recommended temperature and relative humidity guidelines listed in the Technical Information section. If continuous outgassing in the concrete is causing bubbles, re-roll the material using a cross rolling method before the material cures to reduce or eliminate air entrapment. If the material becomes thick while applying and sticking to the roller, stop applying and discard the mixed material. At this point it has reached the end of the usable pot life. While applying keep a wet edge to prevent roller marks. It is recommended to work in sections usually using control joints as dividers to ensure proper application results. Do not allow to puddle! Remove any excess material in joints or low impressed areas. Puddled areas may cure adequately and may cause blush or a white haze. If recoating after 24-36 hours (temperature depending) a light sanding using a fine sanding screen may be needed to ensure adequate inner coat adhesion.

Please note: It is always recommended to test the product in a small, inconspicuous area (on the same concrete substrate) for desired results prior to application. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture etc. When applying, do not exceed 400 sq.ft. per gallon. Applying too thin of a coating may cause inadequate film formation or performance expectations may be limited. DO NOT USE ON BRICK.

## **Clean-up**

Use soap and warm water. Dispose of containers in accordance with local, state and federal regulations.

## **Precautions & Limitations**

- This product will freeze during storage. Store at temperatures above 40°F
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed
- If using indoor, use proper ventilation while applying and for hours after application to ensure fumes are removed
- This product should be applied in thin coats. Do Not Puddle!
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives
- Please be aware that this product when cured may be slippery when wet. An anti-slip additive, such as Deco Grip, can be added to reduce slip hazards
- All new concrete must be cured for at least 28 days prior to application
- It is not recommended to thin product. Improper thinning may cause sealer to delaminate in a short time frame
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values not specifications.

## **Special Notes**

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

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