

WB GLOSS URETHANE

40% Solids, Gloss Finish Water Based Urethane

Product Description

WB Gloss Urethane is a high gloss, two-component water based aliphatic polyurethane with excellent color enhancement properties. WB Gloss Urethane has excellent adhesion and hardness properties as well as abrasion, hot tire, and chemical resistance. WB Gloss 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
- Gloss finish and low odor make this ideal for many interior applications
- VOC compliant for most areas in the United States and Canada

Recommended Applications

WB Gloss Urethane is effective on applications such as grind and seal applications, over acid stain and Armour Dye, over other stain systems, garages and shops, showrooms and offices, and many interior applications where a low odor, gloss finish, abrasion resistant coating is required.

Technical Information

Solids	40%	Wet Appearance	Milky White
Dry Time - Tack Free	5 - 6 hours	Dry Appearance	Clear and Gloss Finish
Dry Time - Foot Traffic	16 - 20 hours	VOC Content	Less than 125 grams/Liter
Dry Time - Heavy Traffic	4 - 7 days		
Re-Coat Time Window	6 - 12 hours		
Application Temp	50°F - 80°F		

***Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

Specifications/Compliances

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

Approximate Coverage Rates

First Coat: 200 - 300 square feet per gallon **Second Coat:** 250 - 350 square feet per gallon

*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 1.25 gallon and 2.5 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

Surface 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 free of all dirt, oil, dust, and foreign contaminants and applied within the recommended recoat time of the primer if one was 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' x 4' plastic sheet on the substrate and completely taping 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 no 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 only separately by vigorously shaking container AND mix with a drill mixer for 2-3 minutes prior to blending the smaller kit to ensure uniform distribution of all ingredients (drill mixer must be used, not a stir stick). Failure to do so may result in craters/ fish eyes. Pour a full pre-packaged kit of 4 parts of Part A to 1 part of Part B together and mix well with slow speed mixing equipment such as a jiffy mixer for 2-3 minutes or 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 prepped surface with a 3/8" 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 impressioned areas. Puddled areas may not cure adequately and may cause blush or a white haze. If recoating after 18 hours (temperature depending) a light sanding using a fine screen may be needed to ensure adequate inner coat adhesion.

Please Note: Applying material outside the suggested parameters may result in product failure. 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 MEK or acetone. Dispose of containers in accordance with local, state and federal regulations.

Product Removal

Dried, cured sealer may be removed with a commercial stripper or by using diamond grinding method, sandblasting method or similar mechanical action.

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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EXTENDED TECHNICAL DATA

Pot Life	45 minutes
Abrasion Resistance (ASTM 4060-81)	38 - 40 mg loss
Flexibility, 1/8" Mandrel (ASTM D1737)	Pass
Pendulum Hardness (ASTM D-4336)	175
Gloss 60°	88
Water Resistance	Excellent

Chemical Resistance

R - recommended (little to no visible damage)

RC - recommended conditional (some effect, swelling or discoloration)

C - conditional (wash within one hour of exposure to avoid effects)

NR - not recommended (visible damage will occur)

Urine	R
Xylene	R
MEK	C
Isopropyl Alcohol	R
Methanol	R
Gasoline	R
Diesel Fuel	R
Skydrol	R
Motor Oil	R
Transmission Fluid	R
Brake Fluid	R
Hydraulic Fluid	R
Water	R
Sugar/Water	R
Chlorinated Water	R
Clorox (10%) Water	R
Vinegar/Water 5%	R
Wine	R
Sodium Hydroxide 25%	R
Muriatic Acid 10%	R
Sulfuric Acid 10%	R
Nitric Acid 10%	NR
Phosphoric Acid 10%	R
Hydrochloric Acid 20%	R

Allow 7 - 14 days for product to fully cure to reach full abrasion and chemical resistance properties.

Deco-Crete Supply Inc. warrants our products to be of good quality, free of defects and will conform with our published specifications in force on the date of acceptance of the order. As the exclusive remedy for breach of this warranty, we will replace defective materials. Ninety days after Deco-Crete Supply Inc. has shipped the products, all our warranty and other duties with respect to the quality of the materials delivered shall conclusively be presumed to have been satisfied, all liability therefore terminates, and no action for breach of any said duties may thereafter be commenced. No warranty is expressed or implied as to the length of life of this product, or merchantability or fitness. Liability, if any, is limited to the purchase price of the material. Under no circumstances will Deco-Crete Supply Inc. be liable for a consequential damage to anyone in excess of the purchase price of the products.

