

6100 WB MATTE URETHANE

56% solids, matte finish water based urethane

HIGH PERFORMANCE COATINGS



6100 WB Matte Urethane is a high solids, matte finish, two-component water based aliphatic polyurethane. 6100 WB Matte Urethane has excellent hardness, abrasion resistance, hot tire resistance, chemical resistance. 6100 WB Matte Urethane is low VOC and low odor with multiple uses.

Key Features & Typical Benefits

- 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 United States and Canada.

Recommended Applications

- Effective on applications such as...
- Many interior applications where a low odor, matte finish, abrasion resistant coating is required.



Specifications / Compliances

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

Typical Properties & Technical Information

PROPERTY	VALUE
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
Re-Coat 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

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.

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Application Instructions

SURFACE PREP: 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 1040 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' 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 & 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.

COVERAGE RATE: *First Coat* : 200 - 300 ft² per gallon* @ 3 - 4 mils

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

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 not 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: 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.**

Precautions and 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 Surf-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.

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 a diamond grinding method, sandblasting method or similar mechanical action.

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.

Always read all technical information, label and SDS prior to use. This information can be found online or by calling customer service at the number below.