6000 WB URETHANE GL

2K Water Based Urethane (Low Odor)

EPOXIES, URETHANES, ETC.

PRODUCT DESCRIPTION

6000 WB Urethane GL is a high solids, two-component water based aliphatic polyurethane. This high performance material has excellent hardness, abrasion resistance, hot tire resistance, gloss and chemical resistance. A low VOC, low odor system with multiple uses.

BENEFITS/FEATURES

- Excellent abrasion and wear
- Non-Yellowing, UV resistance
- Hot tire resistance
- Low Odor

RECOMMENDED APPLICATIONS

6000 WB Urethane GL is recommended for priming properly prepared concrete or masonry surfaces in commercial, retail, and high traffic areas. Excellent for wall and floor coatings, institutional coatings and heavy duty maintenance coatings.

TECHNICAL INFORMATION

Abrasion Resistance.....38 - 40 mg loss
(Tabler Index, ASTM 4060-81, CS-17 Abrasion Wheel, 1000 gram load)
Gloss 60º 88
Flexibility (1/8" Mandrel).....Pass
Pendulum Hardness, sec.(ASTM D-4336).....175
Water Resistance.....Excellent
Solids % Weight (Federal Spec. TTP-141B).....55%
Density lbs/Ga. (Federal Spec. TTP-141B).....8.83
VOC .....100 grams per liter

Mix Ratio (a/b volume).....2 to 1
Coverage (3-4 mils dft.).....200 - 300 sq. ft./ga
Pot Life…(higher temperatures shorten pot life).....1 - 2 hours
Dry Time-Set to Touch (50% R.H. @ 72º F).....5 - 6 hours
Dry Time-Recoat (50% R.H. @ 72º F).....12 hours
Dry Time-Light Traffic (50% R.H. @ 72º F).....18 hours
Dry Time-Full Cure (heavy traffic) (50% R.H. @ 72º F).....7 days
Application temperature.....55-90º F with relative humidity below 75%

CHEMICAL RESISTANCE

Urine……...No Effect
Blood……...No Effect
Brake Fluid……..No Effect
Xylene……..No Effect
Gasoline……...No Effect
Skydrol B-4……..No Effect
Ethylene Glycol……No Effect
MEK……Film Softened

10% Sodium Hydroxide……..No Effect
50% Sodium Hydroxide……..No Effect
25% Sulfuric Acid……...No Effect
25% Acedic Acid……No Effect
20% Nitric Acid……...No Effect
10% Hydrochloric Acid……...No Effect
** A chemical exposure test should always be performed prior to application to ensure satisfactory resistance.

PRODUCT STORAGE

Store product in an area so as to bring the material to room temperature within the recommended application temperature range before applying. Long term storage should be between 60 and 90 degrees F. Keep from freezing.

SHELF LIFE

6000 WB Urethane GL has a shelf life of at least one year in it's original, sealed, unopened container.

PACKAGING

6000 WB Urethane GL is packaged in 3 gallon and 15 gallon kits.

SURFKOAT™

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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 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.

PRODUCT MIXING: Pour a full pre-packaged kit of 2 parts 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.

PRODUCT 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 impressioned 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 6000 WB Urethane GL outside of the suggested parameters may result in job 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.

CLEAN-UP

Use MEK or Acetone. Dispose of containers in accordance with local and federal regulations.

PRODUCT REMOVAL

Dried, cured urethane may be removed with a commercial stripper, but recommended removal is by way of mechanical means, including sanding, shot blasting, etc.

PRECAUTIONS AND LIMITATIONS

► All new concrete must be cured for at least 28 days prior to application.

► Coverage rates depend upon many conditions including application method, surface porosity, applicator, ect.

► **6000 WB Urethane GL** should be applied in thin coats. Do not puddle.

► Be aware that this product may be slippery when wet. Anti Slip additives may be needed to reduce surface slip hazards.

► **6000 WB Urethane GL** may darken the surface of many new and existing concrete substrates. Test prior to use.

► Physical properties listed on this technical data sheet are typical values not specifications.

•• If applying over an existing coating, proper adhesion and compatibility tests are essential. In this application the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility. Surface Koatings, Inc. offers no guaranty, warranty or other claims to the success or results of the job in this circumstance.

SPECIAL NOTES

Please consult Material Safety Data Sheet (MSDS) and read Warranty information prior to use. This information can be requested by contacting customer service at 615-773-1616.

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