



# Technical Data Sheet

## WBUG™

### High Performance Water Based Urethane

#### Description

WBUG™ is a clear 2 component water based urethane protective coating with strong abrasion and chemical resistance. It is suitable for outdoor weathering and is UV stable

#### Advantages

- Non-Yellowing
- UV/IR Resistant
- Excellent abrasion/ chemical resistance
- Superior adhesion
- VOC Compliant
- Odor Free

#### Colors

A variety of colors can be obtained upon request.

#### Typical Uses

Common uses include industrial and commercial flooring, decorative concrete and garage floors.

#### Restrictions

- Surface temperature must be between 55° - 85°F
- Do not apply material when humidity is above 85%
- Humidity content of substrate must be < 4% when product is applied
- Epoxy primer may be necessary on porous surfaces
- Tire contact may cause staining and discoloration

#### Surface Prep

Concrete surface must be cleaned. BLASTRAC, sand blasting, diamond grinder w/30 grit or coarse, or water blasting is highly recommended to remove surface contaminants.

Any oils and fats must be removed prior to product application. Acid etching may be required (followed by a thorough rinsing) to open the pores of the concrete to accept a primer.

Do not apply to wet substrates. Chloride, moisture, and pH levels should be checked prior to application. In almost every application a primer is recommended prior to use of WBUG.

#### Mixing

This product has a two to one mix ratio by volume- merely mix two gallons of part A with 1 gallon of part B. After the two parts are combined, mix well with slow speed mixing equipment such as a jiffy mixer until the material is thoroughly mixed and streak free. Avoid whipping air into the coating. Improper mixing may result in product failure.

#### Application

The mixed material can be applied by brush or roller. It is best to maintain a wet edge to avoid roller marks using a shed free 3/8" nap roller. Direct sunlight or high temperatures may cause visible roller marking during application.

#### Cleaning

Clean with a solvent based thinner to remove any residue from tools or any unwanted areas. Cured product may need to be mechanically removed. Clean hands/body with hot soapy water.

#### Health and Safety

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses, chemical resistant gloves and a filtered breathing apparatus while handling this material.

## HBE Technical Data

<b>Ratio</b>	2A : 1B	<b>Pot Life</b>	60 min @ 70°F
<b>Solids Content</b>	42%	<b>Working Time</b>	60 min -90 min @ 70°F
<b>VOC Content</b>	306 grams / liter		
<b>Color</b>	Clear	<b>Cure Times @ 70°F</b>	7-9 hours - Dry to touch 24 hours - Foot traffic 3-5 days - Full cure
<b>Viscosity</b>	500-1000cps	<b>Recoat Time @ 70°F</b>	1-2 hours - minimum 24 hours - Maximum
<b>Packaging</b>	3 Gallon Kit 2 gal - Part A 1 gal - Part B	<b>Coverage Rates</b>	300 - 500 sq ft / gal @ 3-5 mils

**NOTE: Times and data mentioned are based on laboratory conditions. Field results may vary and will be affected by changing ambient conditions, especially changes in temperature and relative humidity. Indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage.**

Physical Data	Test Method	Result
<b>Adhesion</b>	ASTM D4541	300 psi ( failure of substrate )
<b>Abrasive Resistance</b>	ASTM D4060	.21mg loss (CS17 / 1000 cycles / 1000g)
<b>Flexural Strength</b>		No cracks on 1/8" mandrel
<b>Resistance to Mold Growth</b>	ASTM D3273	Rated 10 (highest resistance)
<b>Impact Resistance</b>	ASTM D5420	Gardner Impact, direct & reverse = 120 in lb (passed)
<b>Finish Characteristics</b>		High gloss (<70 at 60 degrees @ glossmeter)

**WBUG is resistant to many common chemicals Please refer to our chemical resistance chart for more details.**

Disclaimer: The info herein is general to assist our customers in determining whether TruCrete® products are suitable for their specific applications. TruCrete® products are intended for sale to trained installers. We recommend that customers inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use TruCrete® products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.