Technical Data Sheet
WBUS™
High Performance Water Based Urethane (Satin)

Description
WBUS™ is a clear 2 component water based urethane(satin) 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
- Satin Finish

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 ⅜" 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			
Ratio	2A : 1B	**Pot Life**	60 min @ 70℉
Solids Content	60%	**Working Time**	60 min -90 min @ 70℉
VOC Content	35 grams / liter		
Color	Clear	**Cure Times @ 70℉**	7-9 hours - Dry to touch 24 hours - Foot traffic 3-5 days - Full cure
Viscosity	450-650cps	**Recoat Time @ 70℉**	1-2 hours - minimum 24 hours - Maximum
Packaging	3 Gallon Kit 2 gal - Part A 1 gal - Part B	**Coverage Rates**	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
Adhesion	ASTM D4541	300 psi (failure of substrate)
Abrasive Resistance	ASTM D4060	.23mg loss (CS17 / 1000 cycles / 1000g)
Flexural Strength		No cracks on ⅛" mandrel
Resistance to Mold Growth	ASTM D3273	Rated 10 (highest resistance)
Impact Resistance	ASTM D5420	Gardner Impact direct, reverse = 160 in lb (passed)
Finish Characteristics		Low- gloss (<20 at 60 degrees @ glossmeter)

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