



## Technical Data Sheet

### WB ClearSkin

**WBClearSkin** is an extremely tough optically clear weather resistant UV stable 2K water-borne coating. It exhibits excellent durability regarding resistance to abrasion, chemicals and sunlight. This rugged material is designed to handle industrial floors, heavy traffic and stain-resistance. Given its hard shell, penetrating nature, cleanability and anti-microbial additives it is used in hospitals, food processing plants, food storage facilities, aircraft hangers, subway walls and other demanding surfaces requiring high performance protective characteristics. It maintains superior dry film hardness to protect against wear providing long-term ease of maintenance. This material may also be color tinted to match solid or translucent color systems only using SuperSkinSystems™ colorants. Levels of added color may provide decorative translucent to opaque appearances. WBClearSkin may be used over a host of diverse types of substrates such as concrete, brick, stone, metal, wood and composites.

WBClearSkin is primarily used as an industrial/commercial floor coating. It has many other diverse uses including parking decks, exterior siding, residential garage floors and other exterior/interior applications. It may also be used as stone/paver sealer and topcoat, wood and concrete primer and/or decorative textured colored finish as it supports aggregate broadcasts. See color textures chart here. There are 2 versions of the formulation to provide either a glossy or a matte finish.

WBClearSkin may be applied by a standard air-less spray equipment, roller or brush. Substrate surfaces must be clean/dry, free of contaminants and loose dust. SuperSkinSystems offers superior-cleansing enzyme agent materials to help loosen and degrease fatty oil impregnated surfaces to aid in preparatory efforts to provide a properly prepared substrate surface. These bio-enzyme cleaners deliver extreme deep cleaning to pre-existing machine-finished concrete surfaces. This surface coating system dries to a hard clear walk-on protective finish in 12 hours and fully cured within 72

hours depending on drying conditions. Two (2) coats are recommended using a 2-3 hour re-coat window without abrading the surface.

## Technical Application Data

WBClearSkin is a two component 70% solids aliphatic high performance coating. It has very low odor. Application temperature ranges from 60°F to 100°F. This material should not be applied to hot surfaces above 110°F. Working time at 75°F is approximately 30 min. For use as a primer to achieve superior adhesion to substrate, mix A & B components 1A:1B ratio. Always stir the B-Side thoroughly with jiffy mixer at low rpm prior to use while not inducing air (prevent entrapment of micro air bubbles). Functional operation temperature ranges from -40°F to 200°F. WBClearSkin is designed as a "Thin-Mil" coating and is not to be applied in thicknesses greater than 6-8 mils at one time. For additional coats wait until material becomes tacky-dry or just before complete dry. If material dries past 36 hours, sanding will be required before an additional coat may be applied. Coverage is approximately 250 sq. ft./ mixed gal.

## Physical Properties

### WBCLEARSKIN PHYSICAL PROPERTIES

Optical Clarity	Visual	Clear
Tensile Strength	ASTM D412	3650 psi
Elongation	ASTM D2256	100-150%
Hardness -Shore D	ASTM D785	60-65D
Abrasion -TaberCS17	ASTM D4060	60 mg/1k cycles
Gel Time	Time	30 min
Mix Ratio(s)	PBV	1:2 / 1:4

## Adhesion Results

### Adhesion Results of Typical Substrates per ASTM D-4541 Elcometer

Concrete	>300 psi	Concrete cohesive failure; excellent bonding
Steel	>1000 psi	Excellent bonding

Wood

>250 psi

Wood failure; excellent bonding

## **Substrate Surface Preparation**

**Preparation of substrate surface prior to the application of a SuperSkinSystem is extremely important to achieve proper system bonding.**

Concrete must be fully cured and should be prepared with a sandblasting, diamond grinding or machine sanding depending on the severity of the concrete surface condition. Similar proper preparation must be performed for metals. Primers also require this proper preparation. Always power clean using mild detergent prior to sanding, etc. Call Tech Support Group for assistance with selecting SSS application system. Also read the Application Page on this website. If patching concrete, use our mineral filled fast-set Acrylic Modified Epoxy applied by trowel. For expansion joints, use Joist Seal applied by hand cartridge dispensing gun. It is always best to perform a test within a small section of the application area prior to full scale engagement.

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