Description

Concreation **WB GreenSil WSR Sealer** is water-based emulsion with polysiloxane and emulsifier concrete sealer that has been specifically designed for use on a multitude of concrete and masonry surfaces. **WB GreenSil WSR Sealer** is designed to be used as the finished coat of sealer**. WB GreenSil WSR Sealer** penetrates deeply into concrete and masonry surfaces, providing maximum protection and durability against oil and dirt penetration. Hydrophobic silicones and silanes are well known to protect construction from humidity or water attacks. **WB GreenSil WSR Sealer** masonry water repellents improve freeze thaw resistance and reduce efflorescence. **WB GreenSil WSR Sealer** also minimizes spalling and cracking to provide installations with a lasting enhanced visual appearance. **WB GreenSil WSR Sealer** will suppress the growth of microorganisms and dramatically improves the durability on all types of masonry. **WB GreenSil WSR Sealer** is compliant with EPA and VOC Regulations.

Suggested Application

WB GreenSil WSR Sealer is to be applied as the finished coating on almost any concrete or masonry surface, interior and exterior. Two coats of the **WB GreenSil WSR Sealer** should be applied using a "wet-on-wet" procedure to ensure complete coverage. **WB GreenSil WSR Sealer** can be applied by brushing, spraying or mopping. Maximum water repellency is realized in 72 hours depending on curing conditions. Beading generally improves over time.

Advantages

- Provides excellent water repellency to reduce cracking, spalling, freeze / thaw damage, chemical degradation, biological growth, efflorescence, and dirt pickup, thereby lengthening substrate life and reducing maintenance costs
- Provides excellent beading for improved aesthetics
- Superior storage stability including freeze/thaw stability for ease of use
- Low VOC emissions on curing; EPA compliant
- Formulated to minimize darkening effects thus not changing substrate appearances
- Good stability on highly alkaline surfaces for long term durability
- Physically and chemically bonds to substrates increasing coating life and making cleaning easier, thereby reducing maintenance costs
- Coatings are UV stable and resistant to biological degradation for longer service life leading to less cost for repetitive applications
- Coatings are vapor permeable to resist cracking, peeling and blistering, and allowing carbonation to continue after coating application. This lengthens coating and substrate lives and allows for greater substrate structural strength over time
- Coatings can improve adhesion of paints to mineral substances thus priming them for painting

Benefits

- High performance coatings - protect / enhance appearance
- Easy application and clean up
- Broad application space
- Long lasting
- Reduced application restrictions due to odor to customers
- Application flexibility
- Meets or exceeds environmental regulations
- Minimizes discoloration from dirt / spills

Surface Preparation

Surface preparation depends on substrate placement, type and strength, curing and finishing processes, age, condition, previous contamination, and the presence of previous coatings as well as the application of **WB GreenSil WSR Sealer**. Surfaces should be clean from dust, dirt, oils, grease, curing compounds, other coatings, efflorescence, and laitance before applying **WB GreenSil WSR Sealer**.

Cleaning methods which are compatible with the application of **WB GreenSil WSR Sealer** include:

Mechanical - abrasive blasting (sand, baking soda, vacuum)

Chemical - acid etching, stripping, solvent de- greasing, caustic soda scrubbing, alkaline soap scrubbing, high pressure washing, high pressure washing with sand

Heat - propane and acetylene torching

If strongly acidic or caustic cleaning agents are used, neutralize the surface and completely wash to remove any residues. Before using any surface preparation method a test patch should be performed with the customer's approval to ensure that their needs are met.

New concrete should be allowed to cure for at least 28 days before applying **WB GreenSil WSR Sealer**. In addition, any repair work should be performed at least 3 days before **WB GreenSil WSR Sealer** is applied.

Coverage

Smooth Concrete Floors:	300 - 350 sq.ft./gal
Rough Textured Concrete:	175 - 225 sq. ft / gal
Extruded Clay Brick:	100 - 120 sq.ft./gal
Dry-pressed Clay Brick:	70 - 90 sq.ft./gal
Smooth Textured Stucco:	230 - 270 sq.ft./gal
Rough Textured Stucco:	120 - 150 sq.ft./gal
Smooth Textured Concrete Block:	70 - 80 sq.ft./gal
Split Faced Concrete Block:	50 - 60 sq.ft./gal

Physical Properties

Appearance:	White, opaque emulsion
Freeze/Thaw Stability:	Yes
Solids, weight (%):	>40
Thermal Stability:	Yes
Mechanical Stability:	Yes
Density(g/ml):	0.95
pH:	8.0
Density(lbs/gal):	7.9
Viscosity, Brookfield (cps):	12
VOC – gm./liter:	61.2
Flash Point (°C):	>100
VOC – lbs./gallon:	0.51
Flash Point (°F):	>212