



#42-368

Water Based Penetrating Sealer Concentrate

WB Penetrating Sealer Concentrate is water-base, low VOC, high performance, penetrating silane/siloxane water-repellent designed for dense concrete and masonry surfaces. It performs as well as it's solvent based, less earth friendly counterparts. As it penetrates into the surface and fully reacts with minerals within the substrate and creates a hydrophobic barrier against water and salt intrusion at surface level. It protects cast concrete, tilt-up panels, brick, cementitious stucco and other comparably dense materials from the damaging effects of water absorption – efflorescence, freeze-thaw damage, etc. Its unique formulation repels water while being highly permeable to water vapor. Concentrated product makes up to five gallons.

FEATURES & BENEFITS

- Easy to apply with an inexpensive sprayer or hand applicator
- Excellent long term wear capabilities
- Breathable coating
- Environmentally friendly
- Water clean up
- Recoatable
- Low VOC<300 as shipped, <100 typical dilution.
- Non slick
- Concentrate makes for economic advantage

TYPICAL APPLICATIONS

Ideal for use on concrete where a natural appearance is desired. Deep penetration greatly reduces water absorption, reducing the effects of freeze thaw and spalling, extending the life of the structure. Applications include vertical concrete creations, common brush finish flatwork, interior floors and surfaces subject to water and staining, brick and cinder block, paver, and previously untreated wood. Provides flexibility to use on both heavily porous surfaces and standard finish surfaces.

TECHNICAL INFORMATION

<i>Physical Properties</i>	<i>General Values</i>
Weight/gl	8.3
% Solid	45% as is, 9% as diluted.
V.O.C.	<75 g/L
Color/odor	Light milky solution/sweet odor

COVERAGE

<i>Application Surface</i>	<i>First Coat</i>	<i>Second Coat(option)</i>
Prepped concrete	100 - 250 sq ft	175 - 400 sq ft

Coverage rates vary depending upon surface porosity and texture, and application thickness.

NOTE

If applying over an existing colored surface, proper adhesion and compatibility tests are essential. When using this product, the substrate preparation, application, performance and all other liabilities are strictly the end users responsibility.

DIRECTIONS FOR USE

SURFACE PREPARATION: All furniture, walls, plants, shrubs and other items/areas you do not want sealed should be masked off properly using proper tape and plastic. Surfaces to be sealed should be free of dust, residue, and contamination. Surfaces can be damp to dry. Surface should be clean, free of dirt, oil and grease. New concrete may only require sweeping, however if construction traffic has been excessive, washing with a pressure may be necessary. On older concrete sandblasting or shot-blasting may be necessary. The surface pores must be opened to allow immediate penetration. Air and surface temperature should be between 40° and 90°F for 24 hours following application. This will ensure proper product penetration. You must protect the coating from rain for 4 to 5 hours to allow the water repellent to become effective.

DILUTING: WB Penetrating Sealer Concentrate comes as a concentrate to allow use on a variety of surfaces with varying properties. Typical water protection will be provided by a standard 4-1 dilution rate, thus the 1 gallon container will provide a full 5 gallons. You may use less water, thus increasing the overall strength of the product for surfaces that are very rough and/or porous.

PRODUCT APPLICATION: Always to a test spot in a inconspicuous area to verify results. Always wear gloves when applying any product you are not familiar with. Application can be sprayer(or airless), roller or brush. Before application, the surface should be dry(slight damp okay). Do not apply below 40°F (4°C) or above 95°F (35°C). If freezing conditions exist before application, let masonry thaw. The water carrier may freeze at low temperatures or evaporate in hot conditions. Both conditions impair penetration and results. Do not apply if rain is expected within 4 hours. Do not apply during windy conditions. Apply low-pressure spray equipment (15 psi), roller or broom. Use a fan type spray nozzle for greatest efficiency. Avoid atomization of material. On vertical surfaces, apply the material from the bottom of the wall upwards spraying so that it will run down the surface at least six inches below the spray pattern. On rough porous surfaces allow material to penetrate 5-10 minutes then recoat. Less material will be needed for the second application. On horizontal surfaces, saturate in a single application. Use enough material to keep the surface wet for 2-3 minutes before penetration. Broom or Back roll out any puddles until excess material soaks into the surface. Dense surfaces will only require a single application. Use enough to completely wet the surface without creating drips, puddles or rundown. Do not over apply. Test for application rate

CURING: Once complete allow to cure for a full 4-6 hours before heavy traffic and/or general use of surface resumes. Good water resistance occurs immediately but requires a full 24 hrs for final cure.

CLEAN UP & REMOVAL

Sprayers and applicators should be thoroughly cleaned with soap and water before the product dries.

PRECAUTIONS & LIMITATIONS

All new concrete should be cured for at least 28 days prior to application. There is no guarantee against water intrusion and stain prevention against all contaminants

Resistance to contaminants can vary based on surface profile, application thickness and age of coating.