

Silica Shield-Sealer A

Description: Silica Shield-Sealer A is a modified silicate based penetrating sealer / surface hardener for untreated concrete, masonry, stucco, natural stone, unglazed clay tiles and most inorganic substrates. Provides a high level of water repellency. It provides protection from acidic chemicals around swimming pools and food preparation areas. Silica Shield-Sealer A chemically bonds to the untreated surface to help densify and protect from chipping, especially on soft porous sandstones. Silica Shield-Sealer A may provide a slight darkening effect on some stone, but typically will not change the appearance of the stone or concrete.

Uses:

- Concrete
- Concrete block
- Stucco – cement plaster
- Natural stone – sandstone
- Concrete Pavers
- Manufactured Stone
- Roof Tile
- Driveways
- Patios
- Floors
- Walls
- Artificial Rock Formations
- Precast Concrete
- Concrete counter tops

Advantages:

- Inorganic – mineral based
- Environmentally friendly
- Chemically bonds to the substrate
- Zero to low VOC content
- Long life expectancy
- Fungus, Algae, and Mold resistant
- Breathable
- Water resistant
- UV Resistant
- Protects the substrate
- Acid Resistant
- Easy Application
- Penetrating

Packaging: Silica Shield-Sealer A is available in 1 gallon pails and 5 gallon pails.

Coverage: Coverage can vary dramatically depending on the substrate. (200-400 sq. ft. per gallon. Approx)

Storage:

- Keep containers tightly sealed.
- Protect from freezing.
- Keep out of direct sunlight.
- Store in a cool area.

Application:

- All surfaces must be clean, free of any dirt, oil, release agents or substances, which inhibit penetration and bond. Substrate should be dry and absorbent. All fungi, algae, or mold must be removed.
- Apply in a single application or a wet on wet coat if substrate is highly porous.
- Allow new concrete and plaster to cure a minimum of 7 days. 21 days recommended.

- Always test a small area prior to application.
- Do not apply in direct sunlight or high heat, which may cause too rapid curing.
- Apply Silica Shield-Sealer *A* by brush, roller, sprayer or cloth pads.
- Surface must allow sealer to penetrate into the substrate.
- Do not allow material to puddle – wipe up excess material.
- Over application may cause a whitening residue.
- Do not apply to previously sealed or painted surfaces
- Silica Shield-Sealer *A* must penetrate into substrate to chemically bond

Clean up:

- Clean equipment with warm soapy water immediately after use.
- Do not dispose of in plumbing drains or storm drains.
- Allow waste to dry and then dispose of properly.

Limitations:

- Highly alkaline – protect eyes and skin.
- Will etch Glass and metal surfaces – wash with water immediately.
- Do not apply when temperatures are below 40° F or above 100° F.
- Allow 24 hours to cure before rain, inclement weather, or water exposure.
- Not recommended for water containing structure.
- Not recommended for slate, marble, granite, or other non-silica based natural stone.
- Always test compatibility prior to application.

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