

Product Silica Shield Primer

Description:

Silica Shield Primer #1 K (Potassium)

Silica Shield Primer #2 Li (Lithium)

Silica Shield Primer #3 Org (Organic Additive)

Silica Shield Primer are inorganic, silicate mineral based primers designed to enhance the application of Silica Shield-Paint and Plaster. They penetrate and strengthen absorptive inorganic substrates. They even out the absorptive properties and aid in the adhesion of topcoats. Silica Shield-Primer also are used to thin Silica Shield-Paint and Plaster.

Silica Shield Primer #1 is an economical high performance primer with good overall properties.

Silica Shield Primer #2 is composed of lithium silicate, which provides greater penetration, alkali-silica reaction protection and early water resistance.

Silica Shield Primer #3 contains additional organic additives for improved adhesion to existing organic paint and similar substrates.

Uses:

- Silica Shield Primer is used to thin Silica Shield-Paint or Plaster. This aids to the penetration of their first coat, spraying, or other application properties.
- Primer #1 and #2 are used to consolidate and even out absorption on concrete, stucco, brick and other absorptive surfaces prior to application of silica Shield-Paint or Plaster.
- Primer #3 is used as a bridge primer for previously painted but sound organic painted substrates prior to

Silica Shield Primer

applying Silica Shield-Paint or Plaster.

- Primer #1 and #2 are used for concrete sealing, hardening and polishing applications.
- Primer #2 may be used to consolidate and harden certain natural stones – sandstones and flagstones.
- Primer #1 and #2 may be used to consolidate friable concrete and stucco. They improve adhesion to these substrates of cement mortars, plasters, and overlayments.

Advantages:

- Inorganic – low to no VOC
- Penetrating – long life
- Chemical bond with the substrate
- Versatile- multiple applications
- Water based – Low odor

Packaging:

Silica Shield - Primer is available in 1 Quart, 1 Gallon, 2 Gallon, and 5 Gallon Containers, 55 gallon, and 200 gallon totes.

Coverage:

Coverage can vary dramatically depending on substrate and desired look (150-500 sq. ft per gallon approximately).

Application:

- Always test a small area prior to application
- Surface must be free from any sealers, bond breakers, oil, dirt, loose material or any other substance, which may hinder penetration and bonding.
- Surface must be dry prior to application.
- Apply by brush, roller or spray

- Apply liberal amounts to saturate the substrate – remove any puddling material.
- For polishing and/or hardening applications dilute with 50% clean water.
- Application of Silica Shield-Paint is recommended after 12 hours, however, in dry warm climates 4-6 hours is suitable.
- New concrete, stucco, or plaster must be cured a minimum of 7 days. 21 days recommended.
- For best results on dense concrete it may be diluted with up to 50% clean potable water (deionized water recommended).

Clean Up:

Clean equipment with warm soapy water immediately after use. Do not pour waste into drains. Allow waste to dry and then dispose of appropriately.

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 48 hours to cure before rain, inclement weather, or water exposure.
- Not recommended for water containing structures.

Related Products:

- Silica Shield-Paint
- Silica Shield-Stain
- Silica Shield-Plaster
- Silica Shield-Sealer

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