



Epoxy.com Product #39

Water Based Silane / Siloxane Penetrating Sealer

DESCRIPTION:

PRODUCT #39 Silane Penetrating Sealer is a one component water based silane that provides excellent protection to concrete surfaces against attack from wet/dry, freeze/thaw cycles, and de-icing chemicals. **PRODUCT #39** imparts a hydrophobic "water-shedding" effect to concrete, masonry, brick, stone & wood surfaces. The water repellency helps reduce cracking spalling, chemical degradation, biological growth, efflorescence, and dirt pick-up. **PRODUCT #39** is easy to use and meets all current VOC regulations.

ADVANTAGES:

- ✚ One Component, water based, ready mixed
- ✚ Environmentally safe, <250 grams/liter VOC
- ✚ Protects concrete, masonry, and wood from the damaging effects of water and chloride intrusion (de-icing chemicals).
- ✚ Prevents concrete deterioration caused by freeze-thaw cycles.
- ✚ Produces the deepest possible penetration in masonry due to its extremely low viscosity. Once cured, it provides a permanent hydrophobic effect and will protect concrete rebar from corrosion.
- ✚ Is not a vapor barrier - permits concrete and masonry to breathe.
- ✚ Effective on highly alkaline and neutral surfaces.
- ✚ Low viscosity enables easy application using hand-pumped pressure sprayer.
- ✚ Does not change surface appearance.
- ✚ Concrete properly treated with **PRODUCT #39** will not have a surface sheen and will not discolor.
- ✚ **PRODUCT #39** will not change the "skid-resistant" characteristics of vehicular or pedestrian traffic surfaces.
- ✚ Easy water cleanup of tools and equipment
- ✚ Suitable for most structurally sound, clean alkaline substrates

WHERE TO USE:

PRODUCT #39 can be used for sealing bridge decks, parking garages, parapet walls, roadways, structural concrete, brick work (clay and lime

sand), wood and mortar.

PHYSICAL PROPERTIES:

Color Clear water solution

PRODUCT #39 at 125 square feet per gallon, tested in accordance with NCHRP Report # 244, produces the following results:

Reduction of water absorption into Concrete 87%

Reduction of chloride content into Concrete 87 %

UV 90 day exposure (ASTM C 1378) No change in appearance

Flash Point None

COVERAGE:

Normal application - apply two (2) coats at approximately 250 square feet per gallon per coat. To meet or exceed NCHRP report 244 - apply two (2) coats at 125 square feet per gallon average. The second coat may be applied immediately after first is fully absorbed. A coverage of 200 square feet per gallon may be acceptable for general purpose use. For best results, 2 coats are recommended.

SURFACE PREPARATION:

Surfaces must be clean and sound. While some moisture present in the concrete or masonry will not affect the performance of **PRODUCT #39**, the drier the surface, the deeper the penetration.

APPLICATION:

Stir well before use. **PRODUCT #39** may be applied by spray (using hand-pumped pressure sprayer),

brush, roller - or dipping of masonry units. For best results, use hand-pressure spray equipment instead of compressed air. For best results on most masonry surfaces, two (2) applications are recommended. Dense new concrete surfaces may only require one (1) application.

PACKAGING: Five (5) gallon cans and fifty-five (55) gallon drums.

SHELF LIFE: 12 months

LIMITATIONS:

Do not apply on or through standing water. Material is not intended to seal moving cracks from moisture intrusion. **PRODUCT #39** is not to be used to prevent leaks from hydrostatic pressure. Do not apply at surface temperatures below 40°F, or when surface temperature is expected to fall below 40°F within four (4) hours after application.

CAUTION:

Alkaline Material: In case of contact, immediately flush eyes or skin with plenty of water for at least fifteen (15) minutes. Call a physician in case of severe skin or eye irritation. Wash clothing before re-use. Wear protective clothing, goggles, gloves, and/or barrier creams.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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