



Specialty Flooring Products

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TECHNICAL DATA: Silane Siloxane Sealer

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NC-Silane Siloxane is a one component water based multifunctional self-crosslinking water soluble alkylalkoxy silane and siloxane designed to treat a wide variety of mineral substrates. architectural concrete, concrete block, splitface block, pavers, stucco, porous and dense brick, clay tile, exposed aggregate concrete, sandstone, and slate.

Recommended Uses

Recommended for architectural concrete, concrete block, split face block, pavers, stucco, porous and dense brick, clay tile, exposed aggregate concrete, sandstone, and slate..

General Product Data

SOLIDS BY WEIGHT:

N/A

SOLIDS BY VOLUME:

N/A

VOLATILE ORGANIC CONTENT:

Less than 280g/l, at 40% and 140g/l at 20% strength.

MIX RATIO:

One component product, simply stir before using

RECOMMENDED FILM THICKNESS / COVERAGE PER GALLON:

Saturate slab 100-400sqft /gallon

COLORS AVAILABLE:

This product milky white emulsion

SHELF LIFE:

6 months in unopened containers

PACKAGING INFORMATION

This product is available in 5 gallon and 55 gallon kits (volumes approximate)

FINISH CHARACTERISTICS:

Does not change concrete's appearance

IMPACT RESISTANCE:

N/A

ELONGATION AT BREAK:

N/A

ADHESION:

Product becomes an integral part of the substrate

ABRASION RESISTANCE:

Will increase abrasion resistance in most products

FLEXIBILITY:

N/A

VISCOSITY:

Less than 25 cps (typical)

DOT CLASSIFICATIONS:

Not regulated

CURE SCHEDULE (70°):

Pot life – 1 gallon volume	24 hours
Tack free (dry to touch).....	5-8 minutes
Recoat or topcoat.....	5-8 hours
Light foot traffic.....	24 hours
Full cure (heavy traffic)....	24 days

APPLICATION TEMPERATURE:

55-100 degrees F with relative humidity below 85%

COVERAGE RATES & DILUTION:

Substrate	Coverage rates	dilution ratio recommendation	
	Sq. ft./gallon	(based on 40%)	
		%	ratio
Architectural concrete	80	6.6	5:1
Concrete block	80	6.6	5:1
Splitface block	125	10.0	3:1
Concrete pavers	40	3.3	10:1
Stucco	125	10.0	3:1
Porous brick	150	10.0	3:1
Dense brick	350	20.0	1:1
Clay tile	75	6.6	5:1
Exposed aggregate concrete	325	20.0	1:1
Sandstone	125	10.0	3:1
Slate	450	40.0	0:1

PRIMER:

None required.

TOPCOAT:

None required. Multiple coats of this product are compatible.

LIMITATIONS:

- *Clarity of color or gloss may be affected by high humidity, low temperatures, or chemical exposure. Lighting such as sodium vapor lights.
- *For best results use pump sprayer
- *Slab on grade requires moisture barrier
- *Substrate temperature must be 5° F above dew point
- *can be applied over green concrete
- *Do not apply this product to areas where there is standing water, damp concrete can be coated.
- *Additional coats can be applied
- *Physical properties are typical values and not specifications
- *See reverse side for application instructions.
- *See reverse side for limitations of our liability and warranty.

Water Repellent and Sealer

PRODUCT STORAGE: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50 and 80 degree F. Keep from freezing.

SURFACE PREPARATION: All dirt, oil, dust, foreign contaminants and sealers must be removed to assure a trouble free application. This product will work on a wide variety of substrates but a test patch should be placed prior to undertaking the application. The surface to be treated should be dry and should remain dry for a twenty four hour period after the application. Prepare surface by: abrasive blasting, acid etching, solvent degreasing, caustic soda scrubbing, or high pressure washing. If strong acidic or alkaline cleaning agents are used, neutralize the surface and remove all residue before application. Always apply a test patch to insure product suitability.

PRODUCT MIXING Stir material before using. Apply material without thinning when at a 20% concentration or dilute with water when using the 40% concentration according to the required concentration level necessary. Apply material with a brush, roller, or spraying equipment. Apply the treatment to the surface until it is saturated without puddles. Typical application rates will be about 125 square feet per gallon. Apply two coats using a wet-on-wet procedure to ensure complete coverage. Maximum water repellency is achieved in 72 hours depending on environmental conditions. Beading generally improves over time. Do not use for below grade applications or where water pressure is from interior walls. Do not apply to plastic or foam substrates. Penetrating sealer will not prevent water passage through unsound or cracked surfaces. Protect surrounding areas from overspray or splatter.

PRODUCT APPLICATION: The material can be applied by sprayer brush or roller. Maintain temperatures within the recommended ranges during the application and curing process.

RECOAT OR TOPCOATING: Two coats are recommended. Substrates that are coated with concentrations at 10% or less are generally recoatable and will actually improve the adhesion on mineral substrates

CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

no fingerprint impression is left. If no impression is created, then the recoat can be started. Always remember that colder temperatures will require more cure time for the product before recoating can commence. We do not recommend any coatings be placed over this product except multiple coats of this product itself. If previous coats have a blush, clean with a standard type detergent cleaner.

CLEANUP: Use any suitable detergent and water.

FLOORRESTRICTIONS: Restrict the use of the substrate to light traffic and non-harsh chemicals including water until 24 hours has passed. Keep the area dry for this period (excluding the application of the product.). Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

Warranty

Since no control is exercised over product use, The Nikka Corporation warrants that its products are manufactured free from defect and are consistent and within manufacturing tolerances on our data sheets. No other oral or written representation or statement of any kind, expressed or implied, now or hereafter made is authorized or warranted by The Nikka Corporation. This product is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular use. The Nikka Corporation shall have no liability for incidental or consequential damage, direct or indirect. Our liability is limited to price of or replacement of our product at our option. By accepting delivery of our product means that you have accepted the terms of The Nikka Corporation Warranty.

Nikka Corporation
1880 West Oak Pkwy, Ste 110
Marietta, GA 30062
678-290-0838
www.nikkacorp.com