



DYC7600

HYDRO PROOF SILANE WATER REPELLANT 7600 Data Sheet

CHARACTERISTICS

HYDRO PROOF SILANE WATER REPELLANT is a proprietary Silane that penetrates into concrete or masonry and provides long term weatherproofing protection. SILANE WATER REPELLANT is a single component product that is ready to use and typically requires only one application. During application of SILANE WATER REPELLANT, no masking or cleaning of windows is necessary and metal areas are unaffected. The Silane molecule can penetrate deeper into the substrate than conventional sealers and even deeper than a typical siloxane sealer. Once the Silane molecule penetrates the surface it chemically reacts with, and bonds to, the concrete or masonry substrate. As a result of the strong chemical bond, Silane waterproof protection will last many times longer than conventional coatings. SILANE WATER REPELLANT will not darken the surface or leave a visible surface film. It is ideal for esthetic/architectural surfaces. In independent testing, SILANE WATER REPELLANT allowed perfect moisture vapor transmission or "breathing" of the substrate. This ability to breathe helps prevent potential freeze-thaw damage

INHIBITS

- Moisture Penetration
- Attack by Deicing salts and chloride ions
- Reinforcing steel and precast anchor corrosion
- Attack by airborne industrial chemicals
- Spalling caused by freeze thaw cycles
- Efflorescence
- Surface scaling

FEATURES/BENEFITS

- No masking or cleaning of windows
- Small Silane molecules results in deep penetration
- Outstanding protection against deicing salts and chloride ions
- No change to traction or skid resistance
- No color change to substrate
- Dries quickly

RECOMMENDED USES

- Cast-in-place and precast concrete
- Exposed aggregate
- Brick and mortar
- Stucco and sandstone
- Architectural Concrete Block
- Natural Stone

FOR ADDITIONAL INFORMATION

See SDS or call toll-free 1-800-282-7901.

TECHNICAL DATA

Vehicle Type Silane
 Finish/Sheen Matte
 Solids by Weight 7.0%
 Solids by Volume 6.7%
 Viscosity 20 sec ZAHN#2
 VOC (less exempt solvents) 0.0 g/L
 Weight per Gallon 8.36

COVERAGE

50-200 S.F./Gal. @ 5.3 mils Wet
 (Actual coverage may vary depending on type of substrate and application method.)

MEETS SPECIFICATIONS

- N.C.H.R.P Report 244 - Series II - Reduced the average weight gain of 15% NaCL water by 86%.
- Vapor Transmission - Excellent - No moisture retained after 21days.
- Freeze-Thaw-ASTM-C 672 - 50 cycles

KEY ATTRIBUTES

Color: Clear
 Coverage sq ft/gal
 Smooth precast concrete 125 - 175
 Cast-in-Place 100 - 150
 Precast Concrete 125-150
 Exposed Aggregate 100-150
 **Split face block (CMU) 50 - 75
 Fluted Block 50 - 75
 Concrete Block 75 - 125
 Brick (Clay) 100 - 150
 Stucco 100 - 150
 Sandstone 75 - 125
 Steel trowelled concrete 150 - 200
 Coverage will vary depending on the porosity and texture of the substrate
 Dry Time @ 77°F, 50% RH - 1 hour touch, 2 hour light traffic, 72 heavy traffic.
 Finish: Matte
 Vehicle Type: Silane
 VOC (less exempt solvents): 0.0 g/L





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HYDRO PROOF SILANE WATER REPELLANT 7600 Precautions & Application Guide

SURFACE PREPARATION : WARNING! Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority. Testing: Due to the wide variety of substrates, preparation methods, application methods and environments, the customer should test the product in an inconspicuous spot for adhesion and compatibility prior to full scale application.

Bare Concrete: New concrete must be cured a minimum of 28 days. Use a wet burlap cure. Other curing compounds may not be compatible. Tuckpointing must cure a minimum of 3 days and caulking should be fully cured before application. Concrete surfaces should be clean, free of dirt, oil, grease and other contaminants. New concrete surfaces may only require sweeping, however, if construction traffic has been excessive, washing with 2,000 psi pressure cold water may be necessary. On older concrete surfaces; sandblasting, shot blasting or high-pressure cold water may be used. Chemical cleaning or high-pressure hot water may also be used. Rinse thoroughly after chemical cleaning. The surface pores must be opened up sufficiently to allow immediate penetration of SILANE WATER REPELLANT. A good test is to place a few drops of SILANE WATER REPELLANT onto the clean surface. SILANE WATER REPELLANT should be immediately absorbed into the surface. Substrate

APPLICATION: Before application, the surface should be completely dry. Allow at least 24 hours with sunshine for drying, if surface was wet. Do not apply below 32°F or above 100°F. Do not apply if rain is expected within 3 hours. Do not apply during windy conditions. Apply a single application of SILANE WATER REPELLANT with low-pressure spray equipment (15 psi), roller or broom. Use a fan type spray nozzle

for greatest efficiency. 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 horizontal surfaces, SILANE WATER REPELLANT should be sufficiently applied to completely flood the surface, approximately 125 FT²/gal. depending on the porosity of the surface. Typically, the surface can be reopened to traffic in one hour, if the temperature is at 72°F or above. Opened containers of DYCO SILANE WATER REPELLANT should be tightly resealed when not in use.

LIMITATIONS: Apply only between 32°F -100°F. Do not apply to a damp or wet surface. Cover and protect all grass, shrubs, plants, etc. from overspray. Do not spray onto plastic or specialty coated glass, protect all asphalt based materials and painted surfaces. The shelf life for an unopened container is one year. Keep containers tightly sealed when not in use. Shelf life is 36 months unopened. Store in a dry location with a temperature range between 40°F to 95°F.

WARNING

- Use with adequate ventilation
- Keep out of the reach of children
- Use a NIOSH approved respirator, when necessary
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately.

DO NOT induce vomiting Flammable Mixture. If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Seek medical attention if redness or irritation occurs. Avoid breathing vapors and spray mist. Keep away from heat, spark, open flame and other possible sources of ignition. Reseal container after each use. Wear protective clothing, gloves, and goggles. Safe disposal of rags is necessary to avoid possibility of spontaneous combustion. Read SDS before using product.

CLEANUP: Tools and equipment: Clean sprayer and tools with Isopropyl or denatured alcohol.

