



DYC1380

SHIELD & SEAL POLYURETHANE WATER-PROOFING SEALER

1380 Data Sheet

CHARACTERISTICS

Dyco SHIELD & SEAL is a solvent based polyurethane water proofing sealer designed to seal and protect epoxy bonded, natural stone surfaces such as Chattahoochee Stone, River Rock, and their supporting members such as retainer and expansion joints. It seals and helps protect them from standing water and moisture intrusion.

RECOMMENDED USES

Chattahoochee Stone and River rock Surfaces usually found in driveways, walkways, patios and pool decks.

FEATURES/BENEFITS

- Seals and Protects Surfaces
- Resistant to Moisture Penetration
- Resistant to Abrasion
- Resistant to Grease, Oil and Detergent.

SPECIAL NOTES

It is essential that surfaces be clean before applying. Apply with a phenolic core solvent roller nap. Do not apply to damp or dewy surfaces or when the temperature is below 50°F (10°C).

FOR ADDITIONAL INFORMATION

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

TECHNICAL DATA

Vehicle Type Oil Modified Urethane
Finish/Sheen Gloss
Solids by Weight 46% ± 1%
Solids by Volume 39% ± 1%
Viscosity Zahn Cup - 18.23 Seconds
VOC (less exempt solvents) 418 g/L.
Weight per Gallon 7.36lbs.

COVERAGE

150-200 S.F./Gal. @ 1.0 mils DFT
(Actual coverage may vary depending on type of substrate, and application method.)

KEY ATTRIBUTES

Application Temperatures: 50 - 110°F (10 - 43.33°C)
Application Tools: Brush, Roller, or Spray
Dry Times: Touch - 20 Minutes; Recoat - 1 Hour
(Dry Time Based on 77°F (25°C), 50% RH)
Thinner: Do Not Thin
Clean Up: VM&P Naptha





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SHIELD & SEAL POLYURETHANE WATER-PROOFING SEALER 1380 Precautions & Application Guide

PRECAUTION: Do not freeze. Wear protective clothing and eyewear during application of this product. Do not transport on passenger seats or inside passenger compartment of any vehicle. Store product in cargo area of vehicle, and secure with protective cloths to prevent accidental spill damage. Do not store at temperature above 100°F (37°C). Do not use in drinking water or food systems.

READ AND FOLLOW ALL DIRECTIONS: Surfaces must be clean, dry and sound. Contaminants such as dirt, dust, grease, wax, oil, soap film, rust, mold, mildew, bond breakers and curing compounds must be removed before application. Loose, chipping and peeling of previous coating must be removed before application. Clean surfaces with bleach solution [one (1) part bleach to four (4) parts water] and a stiff bristle brush. If mildew is present, treat with a mildew remover. Rinse with clean water and let dry one (1) to two (2) days before application. Do not apply to damp surfaces or when surface temperature is below 50°F (10°C) or above 100°F (37°C). Do not apply if rain is prevalent. Do not thin.

SLIPPERY WHEN WET: If the surface to be coated is exposed to water from rain, sprinklers, pools or by other means or if the surface is an inclined plane, such as a ramp or if concrete steps are being coated, Dyco recommends mixing SKID GARD #45 at 0.2lbs per gallon. If SKID GARD #45 is not available, see your paint specialist for a recommendation of a suitable aggregate to be used at 0.2lbs per gallon. Stir vigorously to suspend SKID GARD #45 in the container before application. Note: Adding SKID GARD to transparent or semi-opaque coatings may alter the final appearance. Test the coating on a hidden area before applying to the entire surface.

PREPARING NEW UNCOATED SURFACES: On new and uncoated stone surfaces, follow manufacturer's cleaning directions. For best results, clean with a degreaser and/or pressure wash.

PREPARING PREVIOUSLY COATED SURFACES: If stone surface have been sealed with a water-based latex sealer, clean with a degreaser and/or pressure wash.

APPLICATION: Mix thoroughly before use. Shield & Seal is a two (2) coat process. Apply first coat evenly with a phenolic core (solvent resistant) medium nap roller, brush or airless sprayer. Allow three (3) hours and re-apply. Apply second coat at right angle to first coat. Coverage is 150-200 sq. ft./gal. depending on surface porosity and application method. This product is intended to glaze the top surface of the stones. Do not saturate the surface with each coat. When applying by roller, apply Shield &

Seal with overlapping strokes in the same direction eliminating missed surfaces. Do not dry roll. Dries to touch in three (3) hours @ 77°F (25°C) and 50% R.H. Ready for foot traffic in eight (8) hours and vehicle traffic in 72 hours. Low temperature, high humidity, thick films or poor ventilation will increase these dry times.

TOOLS & APPLICATORS / CLEANING: Phenolic core (solvent resistant) medium nap roller, brush or airless sprayer. Cleans with Xylene solvents.

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

DANGER!

CONTAINS PETROLEUM DISTILLATE. HARMFUL IF SWALLOWED. CALL PHYSICIAN IMMEDIATELY. MAY CAUSE EYE, SKIN AND RESPIRATORY IRRITATION. USE WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY. KEEP CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

CALIF. PROP. 65 • CHEMICAL WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Use proper protection and adequate ventilation, when using product.

VOC: Contains less than 500 g/l max.

VOC calculations based on manufactured tint base. Contact Sun Paints & Coatings for actual VOC levels which may or may not be substantially less than stated.

Technical data is true and accurate at date of issuance, but subject to change without notice. Our products conform to Sun Paints & Coating quality standards, but no other warranty or guarantee is expressed or implied. Liability, if any, is limited to replacement of product or purchase price. Labor, cost of labor, or consequential damages is hereby excluded.

Material Safety Data Sheet available upon request.



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