



COLOR SHIELD

SURFACE ENHANCING, OIL REPELLING SEALER FOR CONCRETE PAVERS

PRODUCT DESCRIPTION: *Specco Color Shield* is a water based, penetrating, breathable, silicone & polymer emulsion used as a matt finish surface enhancing protector for concrete paver surfaces. Once applied, *Color Shield* chemically reacts with the substrate and forms long-life water repellent groups that crosslink into a permanent long lasting polysiloxane compound that exhibits excellent water, oil and stain repellency. Surfaces treated with *Color Shield* exhibit enhanced colors with more vibrant appearance aesthetics. *Color Shield* protects against the deteriorating effects of water intrusion, de-icing chemicals, and freeze-thaw exposure while improving overall acid and alkali resistance. *Color Shield* is formulated to protect concrete pavers but could also be used on additional horizontal wearing surfaces including concrete drives and patios, natural or cast stone, and related brick masonry decorative landscaping.

BENEFITS:

- Enhances the colors of concrete pavers and masonry stonework providing a more vibrant appearance
- Non film forming penetrant dries to a natural matt finish
- Ideal sealer for slip prone areas such as pools or inclines
- Provides excellent water, oil, and stain repellency
- Chemically bonds to substrates increasing service life, allowing easier cleaning & lower maintenance costs
- Low VOC, odorless water-based sealer can be used indoors or outdoors on a variety of surfaces

COMPOSITION: Silane & treated organic polymer based micro-emulsion in water carrier

LEED CREDIT CONSIDERATIONS: MR Credits 5.2: Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, Il. 60901. 90% Content- Harvested within 500 miles.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	8.35 +/- 0.05 lb./ gallon
Color/odor:	Stable, milky emulsion with no noticeable odor
Percent solids (total actives) by weight:	8.00 % +/- 0.25
V.O.C. Content (% Volatiles) per EPA method:	<20 g/L (0.17 lbs. /gal.)*

*Contains less than 20 g/L (0.17 lbs. /gal.) volatile organic compounds. Meets existing VOC (VOM) regulations for Waterproofing Sealers under the EPA’s National AIM (Architectural and Industrial Maintenance) listings for all states including OTC, LADCO, CARB, and SCAQMD.

DIRECTIONS FOR USE: Surfaces to be treated must be structural sound, dry, clean and free of all contaminants that will prevent the penetration of *Color Shield*. Remove any surface stains with the appropriate Specco cleaner such as our *Enviro Clean & Etch* before applying *Color Shield*. Protect any surrounding areas that are not be treated. Repair all cracks, voids or surface defects and install caulking or joint sealant prior to applying. *Color Shield* should be mixed or stirred prior to application to ensure proper distribution of the active ingredients.

COVERAGE: The following coverage rates are approximate and for estimating purposes only. **Specco recommends that a small test application is made in an inconspicuous area on actual surface to be treated in both 1 and 2 coats and allowed to dry before making a selection as to accurately determine coverage rates, effectiveness and influence on surface appearance.**

Artificial Stone	50-100 ft2/ gallon	Natural Stone-Porous	60-100 ft2/ gallon
Concrete	100-150 ft2/ gallon	Natural Stone-Dense	50-80 ft2/ gallon
Cast Stone	75-125 ft2/ gallon	Precast Concrete Pavers	150-200 ft2/ gallon



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APPLICATION: MIX OR STIR COLORSHIELD THOROUGHLY BEFORE USE! Mix preferably with mechanical drill & paddle mixer at slow speed. New concrete surfaces should be allowed to dry for 28 days before applying **Color Shield**. Substrate moisture levels below 4% will help promote penetration of **Color Shield**. A quick absorption test can be made by simply applying a few drops of water on the surface, if the area is absorbed and darkens then **Color Shield** can be applied. If the water beads or is not absorbed then **Color Shield** should not be applied. The recommended method of application is by using low pressure airless sprayer (<50 psi), a pump-up garden sprayer with neoprene hoses and gaskets, or by use of a roller (3/8inch nap) recommended. Work consistently in small sections of approx. 50 sq. ft or less. On horizontal surfaces apply **Color Shield** in a continuous heavy flood coat to the point of saturation. Do not allow material to puddle. **Use a separate dry roller (3/8 inch nap recommended) or lint free rag to remove any excess or puddled Color Shield before it dries (this is critical).** If a second coat is needed for surfaces of high permeability, immediately upon completion of a section apply the second coat following the same methods (**wet on wet application**) taking care not to walk directly onto the wet freshly applied first coat. Repeat for subsequent section, maintaining a wet edge to prevent overlap marks. Two “wet on wet” coats are needed to ensure complete coverage for these surfaces. Water and oil repellency properties will start to develop within 24 hours of application. Treated surfaces are typically effective for 2-3 years before a recoat should be necessary. Wash any tools or equipment with warm soapy water after installation.

CAUTIONS: DO NOT DILUTE OR THIN. **Color Shield** is not recommended for use on stamped or polished concrete. Allow a 24 hour dry time to cleaned substrates before applying to prevent mottling or uneven absorption. Any subsequent oil stains on the treated surface should be removed as soon as possible for best long term repellency results. Wait 30 days after the installation of any polymeric sand before sealing the pavers. Not recommended for less absorbent (dense) natural stone surfaces such as limestone or marble, contact Specco for product options for these substrates. Apply a second coat of **Color Shield** only if the surface is very porous. Over application of product can lead to uneven color shading on the surface. Not recommended to apply by sprayer in windy conditions. Full product curing will require 7-10 days to generate optimum water repellency. Treatment of substrate with **Color Shield** will not substantially affect the water vapor permeability of the treated surfaces. New concrete pavers or surfaces have higher efflorescence potentials (whitish salts leaching to surface) than “aged” weathered concrete. **Color Shield** will not trap efflorescence deposits which will usually disappear on their own after prolonged exposure to weathering. Do not apply **Color Shield** to frozen or frost filled surfaces or in temperature below 40° F. Do not apply to wet surfaces or if rain is expected **within 24 hours**. Refrain from foot traffic for 24 hours and vehicle traffic for 48-72 hours after installation. If frozen, thaw to room temperature before use. **Color Shield** is a water base emulsion and cannot be allowed to freeze, if frozen, discard the solution as it will be unusable.

WARNINGS: IRRITANT: Avoid contact with skin and eyes. Wear protective clothing and safety glasses during application. Keep away from food and drink. Do not take internally. FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. Refer to product S.D.S. (SAFETY DATA SHEET) for FIRST AID INFORMATION, or any related health and safety information before using this product. For medical emergencies only, call INFOTRAC @ 800-535-5053.

GHS HAZARD RATING: WARNING



Irritant: May cause Skin & Eye Irritation.

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 1, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = G. **SHIPPING CLASS:** ITEM 155250, SUB 2, LTL 55 - CONCRETE SEALANT - NOT REGULATED BY D.O.T.

PACKAGING: 1, 5 and 55 gallon containers **STORAGE:** 60° to 80° F recommended **SHELF LIFE:** - Do not exceed 1 year

WARRANTY: *Specco Industries, Inc. (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. No other representations or statements made by Specco representatives, in writing or orally, shall alter this warranty. Specco MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by Specco or through a Specco authorized distributor or reseller. Specco has no control over adherence to Specco's application standards, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.*

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