

WATERSTOPPER S-5

SILICONE WATER REPELLENT FOR MASONRY

PRODUCT DESCRIPTION: Specco Waterstopper S-5 is ready to use, penetrating, colorless, non-yellowing, breathable water repellent sealant designed primarily for application to brick and block masonry, in addition to natural stone, concrete, and cement based grouts. Waterstopper S-5 is made from an inorganic, R.T.V. based silicone rubber that cannot be attacked, broken down, or removed by the same elements which can degrade typical organic based sealers. Surfaces treated with Waterstopper S-5 are protected against the damaging effects of water intrusion, freeze-thaw exposure, efflorescence formation, de-icing chemicals, acid rain, and airborne impurities without altering the appearance or texture of the treated substrate. Waterstopper S-5 is recommended primarily for exterior uses, however it can be applied to interiors safely with adequate ventilation and related respiratory protective measures.

BENEFITS: EXCELLENT WATER REPELLENCY & WIND DRIVEN RAIN PROTECTION...PENETRATING FORMULA DRIES TO A NATURAL (NO SHEEN) FINISH ...LIQUIFIED SILICONE RUBBER COMPOSITION EXHIBITS HIGH ELONGATION & HELPS BRIDGE HAIRLINE CRACKS IN THE MORTAR... DOES NOT YELLOW OR HARDEN WITH AGE ...HIGH PERMEABILITY RATE ALLOWS SUBSTRATE BREATHABILITY (MOISTURE VAPOR TRANSMISSION)...APPLIES IN A SINGLE, ONE COAT APPLICATION

COMPOSITION: RTV silicone rubber with proprietary additives in an aliphatic / VOC compliant solvent blend.

PHYSICAL DATA @ 70 DEGREES F (21 C (APPROXIMATED)):	
Color:	Clear solution
Weight/gallon:	7.17
%solids:	7-8% active solids
Application Temperature:	-20 F to +100 F
VOC content (% Volatiles) per EPA method:	395 g/L (3.29 lb./gal)

*Contain less than 400 g/L (3.33 lbs. /gal.) volatile organic compounds. Meets all National AIM specifications and existing VOC (VOM) regulations for Waterproofing Concrete and Masonry Sealers under the OTC and LADCO Industrial Maintenance Coatings listings for all states excluding California (CARB, and SCAQMD).

TECHNICAL DATA: CURED PROPERTIES OF WATERSTOPPER S-5 VOC SILICONE RUBBER BASE:	
Perm Rate: ASTM E96-66	7.26
Elongation ASTM 412: (Std. Dev. = 64)	435%
Tensile Strength ASTM 412 (Std. Dev. = 76)	342 psi

DIRECTIONS FOR USE: Specco recommends that new concrete and masonry substrates cure for approximately 28 days before applying Waterstopper S-5. Surfaces to be treated must be structurally sound, dry, clean and free of all previous coatings and contaminants that could prevent the penetration of the Waterstopper S-5. Repair all cracks, voids or surface defects and install any caulking or joint sealants prior to application of the Waterstopper S-5. Any color alterations to block surfaces though use of stains or paints should also be made prior to application. Waterstopper S-5 is typically applied by brush, roller, or use of low pressure airless spray equipment with solvent resistant fittings. For small areas, a garden sprayer with neoprene hose may also be used. Sprayer tip should be no smaller than .035 and depending upon the spray equipment used, a larger orifice size may be necessary to produce the proper material flow.

APPLICATION: For vertical surfaces, always maintain a "wet edge" on roller applications to ensure even color and absorption of the substrate. If spraying, start at the top of the wall and work downward using uniform, overlapping horizontal strokes. Fog the surface with a light spray to break the surface tension. Immediately follow with a flood coat before the mist coat dries. Apply sufficient material to cause a 4 to 6 inch run down from the point of contact. To prevent shading differences on white or light colored materials, apply Waterstopper S-5 in several fog coats to the point of saturation with no run down. For highly absorbent surfaces such as lightweight concrete block, materials of low density that exhibit high permeability, or substrates exposed to high levels of water exposure, a second application coat of Waterstopper S-5 may be needed. For horizontal surfaces, apply Waterstopper S-5 similarly by either roller or low pressure spray equipment.

APPLICATION (Continued): The material must not be allowed to puddle or pond. Refer to Cautions Section regarding concrete flatwork applications subjected to vehicle traffic. Over application may result in a slippery or discolored (mottled) surface. Wipe up excess material immediately. Clean tools immediately after use with mineral spirits or paint thinner. Dry time is typically 1-2 hours to “tact free” condition.

COVERAGE: The following coverage rates are approximate and for estimating purposes only. Specco recommends that a test application is made on the actual surface to be treated to accurately determine coverage rates, product effectiveness, as well as any influence on final appearance or color tone before proceeding with the entire application.

SURFACE TYPE	SQUARE FEET PER GALLON	SURFACE TYPE	SQUARE FEET PER GALLON
Brick	150 - 175	Cast Stone	175 - 200
Concrete	200 - 225	Natural Stone	125 - 150
Concrete Block	75 - 100	Stucco	150 - 175

CAUTIONS: Do not apply Waterstopper S-5 to frozen or frost filled surfaces or during inclement weather. Do not apply to wet surfaces or if rain is expected within 5-6 hours. Waterstopper S-5 is safe to use on most concrete surfaces, however, it is not recommended for applications exposed to vehicle traffic (driveways or related flatwork) due to possible “hot tire” contaminant exposure in wheel lanes. The use of Specco Waterstopper S-20 Siloxane is recommended for these conditions. Protect all grass, foliage and shrubbery in the application vicinity if possible through use of tarps or plastic “visqueen” sheeting. Also protect asphalt, plastic, rubber and glass surfaces from overspray, and mask all exposed windows, doors and metal surfaces. Residual deposits of Waterstopper S-5 can be removed efficiently by use of Specco B-41 Re-Solve solvent. Waterstopper S-5 is packaged using “nitrogen gas blanketing” to displace the residual air inside the container. Once the package is opened, the entire contents should be used within 2-3 weeks if possible to ensure correct viscosity and performance of the water repellent.

WARNINGS: Waterstopper S-5 contains petroleum distillates and is classified as a combustible liquid. Keep away from heat, sparks, and open flame. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Provide adequate ventilation during use. Use with OSHA/NIOSH approved eye protection and air (vapor) respirator. Refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. Read all technical information including label, MSDS and data sheets before use. Make sure that the application is static free. Empty containers may contain explosive vapors that are heavier than air. Keep containers closed. Do not cut or weld on or near empty containers. Keep away from food and drink. Do not take internally. For medical emergencies only, call Chemtrec at 1-800-424-9300. FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. DO NOT DILUTE OR THIN.

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 2, FLAMMABILITY = 2, REACTIVITY = 0, PERSONAL PROTECTION = E

SHIPPING CLASS: ITEM 155250, SUB 2, LTL 65 MASONRY WATER REPELLENT –SILICONE BASED

SHIPPING NAME: COMBUSTIBLE LIQUID, N.O.S. (SILICONE), HAZARD CLASS 3, PACKING GROUP III

PACKAGING: 1, 5 and 55 gallon containers

SHELF LIFE: 1 year properly stored

LIMITED WARRANTY: This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. Buyer assumes all risk and liability resulting from the use of this product.

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