



SALT SHIELD

CONCRETE SEALER, HARDENER, DENSIFIER & WATER REPELLENT

Specco Salt Shield is a ready to use, colorless, odorless, penetrating, protective concrete sealer. **Salt Shield** is formulated to densify, dustproof and harden untreated concrete surfaces by creating a permanent closed cell, less porous substrate. **Salt Shield** also contains a water repellent additive to decrease surface absorption and provide improved water beading. Treated surfaces are more resistant to water and deicing salt intrusion, as well as acids, oils, grease and other contaminants. **Salt Shield** is recommended for cured (hardened) concrete use only, not on newly poured (fresh) concrete. Typical applications include driveways, walkways, loading docks, garages (residential and commercial), ramps, and steps. **Salt Shield** is also used in precast manhole applications to provide decreased surface permeability for improved vacuum testing results.

BENEFITS:

- **Increases wear resistance for improved surface strength**
- **Excellent dustproofing**
- **Provides added water repellency**
- **Decreased permeability of the surface**
- **Improved stain resistance**
- **Applies in one flood coat**
- **V.O.C. compliant**
- **Odorless, non-yellowing water based formulation**

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.

COMPOSITION: Water base silicate and silicone dispersions with added penetrating agents. Contains no waxes or stearates.

PHYSICAL DATA:	APPROXIMATE VALUES:
Color:	Clear solution
Weight/gallon:	9.00 lb.
pH:	10.50 +/- 0.50 (Alkaline)
V.O.C. levels	12 g/L (0.10 lbs. /gal.)

TECHNICAL DATA: Contains less than 100 g/L (0.83 lbs./gal.) volatile organic compounds for concrete sealers. Meets Architectural Coatings Section 183(e) Final Rule limit and all National AIM specifications for all states.

SURFACE PREPARATION: EXISTING (OLD) CONCRETE: Surfaces to be treated must be structurally sound, clean and free of all contaminates, resins, or previously applied sealants that will prevent the penetration of **Salt Shield**. First use **Specco Citrus Solve C-25** for removal of any grease or oil contaminants on the old concrete surface if they are present. Next use **Specco Enviro Clean & Etch C-30** for removal of any additional surface contaminates that may be present. Repair all cracks, voids, or surface pop-outs prior to applying **Salt Shield** by use of **Specco Thin Repair** feather edgeable cement patch.

NEWLY POURED CONCRETE: FLATWORK: Surfaces should be at least 3 days old minimum, and should have been cured by water spray, damp burlap, or visqueen methods only (no resins or curing compounds that would inhibit penetration of the **Salt Shield**). It is not necessary to use any degreasers or cleaning solutions on the newly poured concrete unless newly formed surface stains are visible.

PRECAST CONCRETE: Concrete pieces should preferably be at least 2-3 hours cured and dry to touch upon sealing. Do not apply on freshly stripped dry cast (green) concrete as the sealer may crystallize or leave white carbonate deposits on the surface. Cooler temperatures may prolong these suggested spray application times.



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DIRECTIONS FOR USE: Lightly pre-dampen the existing concrete with water to a S.S.D. (saturated surface dry) condition. This pre-step is to allow even penetration of the **Salt Shield** and to prevent any subsequent mottling or surface color differences that may form by uneven absorption of the sealer into the substrate. Brush or squeegee out any remaining water puddles or low spots that are visibly present. Note- For precast applications only, it is not necessary to pre-dampen the concrete.

COVERAGE: The following coverage rates are approximate and for estimating purposes only. **Specco** recommends that a test application be made on the actual surface to be treated, to accurately determine coverage rates, effectiveness and influence on surface appearance aesthetics.

Concrete - steel troweled	200 to 250 square feet per gallon
Concrete - broom finished	150 to 200 square feet per gallon
Concrete - precast	100 to 150 square feet per gallon

APPLICATION: **Salt Shield** should be applied "as is" with no dilution. The easiest and most common application method is by using low pressure, airless spray equipment. For small areas, a garden sprayer or roller may be used. Apply in a continuous, heavy flood-coat to the point of saturation, keeping the entire area wet for a minimum of 15 minutes to allow for adequate absorption into the concrete. **Salt Shield** penetrates into the concrete and may be re-applied to overly absorbent areas as needed, while the surface is still wet. Make sure to broom out any puddles, in order to avoid spotting and subsequent discoloration (**See Cautions**).

NOTE: For improved surface water repellency and to ensure uniform surface penetration, we recommend the use of a bristled push broom over the applied areas. This can be done as the product is applied or after application, as long as the surface is still wet.

DRY TIMES: After the first application has dried, a second coat should not be necessary on most substrates, since the sealer should repel any successive water penetration. A second coat may be needed only on very porous or absorbent substrates if water absorption (surface darkening) is still experienced afterwards. **Salt Shield** will typically dry between 1-2 hours during ambient weather conditions. Cooler temperatures may extend dry times to 3-4 hours. Allow the surface to dry for approx. 12 hours before subjecting the area to any foot traffic, while 24 hours wait time is recommended for vehicle traffic. **CLEAN-UP:** Clean equipment with soap and water immediately after use.

LIMITATIONS: A test area is always recommended to determine product suitability before use, especially on light colored driveways, sidewalks, or patios where appearance is critical. If **no** surface mottling is desired, the use of **Specco Waterstopper S-20 Siloxane** is recommended for a natural (invisible) appearance. **Salt Shield** is not a curing compound and should be used to seal cured concrete only. **Salt Shield** is generally **not** recommended for application to integrally colored or stamped (decorative) concrete surfaces. **Specco Stampsheen 350** is typically used in these applications for improved color enhancement and gloss characteristics. **Salt Shield** can be used on Interior warehouse or basement applications, however, the use of **Specco Floor Shield** is generally recommended for these type of substrates. **Salt Shield** is considered a penetrating hardener and is not a film forming type sealer. However, depending on absorption ability of the substrate, it may slightly darken or highlight imperfections or aggregate surface colors, resulting in a mottled appearance. When **Salt Shield** is applied excessively (puddled) and allowed to dry in this condition, a white residue may remain on the surface of the treated substrate. This white residue consists primarily of excessive potassium carbonate salt that can be subsequently removed with water spray and slight broom agitation since the salt is water soluble.

CAUTIONS: Be careful when applying and immediately after application as the treated surface will be somewhat slippery during application and until the surface has completely dried. Do not apply in temperatures below 45° F or above 90° F. Do not apply to frozen or frost filled surfaces. Protect glass, aluminum, foliage, shrubs and grass from over spray.

GHS HAZARD RATINGS: WARNING:



IRRITANT: SKIN AND EYE IRRITATION.



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FIRST AID: REFER TO PRODUCT S.D.S. (SAFETY DATA SHEET) FOR COMPLETE HEALTH AND SAFETY INFORMATION BEFORE USING THIS PRODUCT. FOR MEDICAL EMERGENCIES ONLY – CALL INFOTRAC AT 800-535-5053.

WARNINGS & SAFETY INFORMATION: SALTSHIELD is relatively safe to use. Keep containers closed. Avoid ingestion, skin and eye contact and inhalation of the spray mist. Keep away from food and drink. Wash hands thoroughly after use and before eating. DO NOT TAKE INTERNALLY. KEEP OUT OF REACH OF CHILDREN.

H.M.I.S. CODES (Hazardous Materials Identification System):

HEALTH = 1

FLAMMABILITY = 0

REACTIVITY = 0

PERSONAL PROTECTION = C (Safety glasses, Gloves, Apron)

PACKAGING: 1, 5, & 55 gallon containers

FREIGHT CLASS: ITEM 33880, Sub 2, Freight Class 55

SHIPPING NAME: Concrete Sealer, Water-Based, Not Regulated

STORAGE: 40° to 90° F. Protect from freezing. If frozen, product should be thawed, but is stable and can be used.

SHELF LIFE: 1 year properly stored

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. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its 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.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, 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.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

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