

CRETO
Engineered Solutions

Presents

TopSeal (TS)

from

CRETO-Worldwide Inc.
Las Vegas, Nevada
United States of America

TECHNICAL SUBMITTAL

TOPSEAL

TopSeal (TS) is used as a penetrating surface sealer and hardener for non-cementitious, non-alkali surfaces, or as a finishing surface sealer on surfaces already sealed internally with DPS, or on low alkaline products like concrete pavers or block which are too porous for DPS.

Product Description

TopSeal (TS) is a non-toxic, non-flammable, water based, penetrating surface sealer that completely seals, waterproofs and protects most materials, alkaline and non-alkaline, porous and non-porous. TopSeal (TS) is effective as a sealer for stone, cured asphalt, concrete, brick, and many other surfaces.

Advantages

- One coat application
- Clean up is with clean water.
- Leaves clear, slip resistant, non-glossy finish
- Will not alter color or texture of the substrate
- Impervious to penetration of water, grease, oils, acids and salts
- Stops pitting, rutting, dusting and molding
- Enables easier ice and snow removal
- Enables easy clean up of most spills with mild soap and water

Uses

- Concrete, Paving Stones, CMU Block, Red Brick
- Asphalt Shingles
- Sidewalks, Curbs and Gutters
- Natural Stone, Man Made Stone,
- Sewage Treatment Plants
- Granaries, Zoo and Barn Floors
- Garage Pads and Driveways
- Service Stations
- Pools and patios

STEPS TO APPLY THE TS TO VARIETY OF CONCRETE SURFACES

A. Surface Preparation

A. Previously non-treated, or bare, new concrete needs no prior preparation. Clean surface to remove any dirt, oil or grease from the surface.

B. In problem areas where foreign matter such as grease or oil have penetrated below the surface. Clean surface with a quality degreaser such as CRETO Deep Clean.

Note: While oil, for example, will be removed, stains from used motor oil may not.

C. Prior to applying TopSeal (TS), cracks must be repaired and sealed with a cement based repair, patching and overlay mortar. A patch or overlay using RMO (Repair Mortar Overlay) might be appropriate.

D. For concrete surfaces only we recommend that DPS be applied after the repair, patching and overlay mortar to ensure the monolithic bonding of the TopSeal (TS) to the substrate.

B. Mixing

A. TopSeal (TS) is pre-mixed at the factory, but, **Shake it well before using it**, this agitation will ensure TopSeal (TS) effectiveness.

B. Do not dilute or mix TopSeal (TS) with water or any other liquid. Use only as supplied.

C. Application

Equipment

1. Low Pressure (20-30 psi) Sprayer for large coverage areas

D. Coverage Rates

- A. Coverage rates with TopSeal (TS) depend on the porosity of the surface being treated.
- B. Coverage can range from 200 to 300 square feet per gallon. Concrete floors finished with a power trowel then treated with DPS will use much less TopSeal (TS) than paving stones which have never been treated and have visible pores.
- C. For this reason, it is always recommended to carry out a test on a small patch of the area to be treated, so as to predetermine porosity and coverage rates prior to the main application.

- 1. TopSeal (TS) apply only to dry surfaces.
- 2. Apply TopSeal (TS) evenly over the surface in a back and forth method and barely overlapping the previously applied surface.

Note: Never re-apply TopSeal (TS) to the surface area once it is dry to the look. Never apply TopSeal (TS) to a damp or wet surface.

- 3. **Do not attempt a second coat** after the first coat has dried as a "whiting" could occur between the two coats.
- 4. On vertical surfaces, apply from the bottom up.
- 5. TopSeal (TS) is not meant to seal visible cracks.
- 6. Water should never come in contact with the treated surface with-in 24 hrs. after application.

Packaging

- 1. 1 gallon jug
- 2. 5 gallon pail

Limitations

TopSeal (TS) should not be applied if the surface temperature is below 50 degrees F.

Caution - Please Note

1. Do not apply TopSeal (TS) to glass, glazed surfaces, or aluminum. In case of accidental contact, rinse thoroughly and immediately with water.
2. TopSeal (TS) is best applied to completely dry surfaces.
3. TopSeal (TS) is not meant to fill or seal visible cracks.
4. TopSeal (TS) freezing will harm the product.
5. For surfaces not specified in our literature or if you are uncertain as to previous chemical treatments, (to the surface you are considering applying TopSeal), we recommend that TopSeal (TS) be applied to a small test area first.

Disclaimer

CRETO-Worldwide, Inc., Las Vegas USA. This document is true to the best of our knowledge and our products are of the highest quality and uniform within manufacturing tolerances. Since no control is exercised over product use, no warranty, expressed or implied, is made as to the suitability of products for a particular use or as to the effect of such use, and no liability is assumed, directly or indirectly.

Buyers and users are encouraged to conduct their own tests prior to application.

Material Safety Data Sheet Concrete Surface Sealer (TS)

	Hazard Rating		
Product Identification	4 - Extreme	Fire	0
	3 - High	Health	1
Concrete Surface Sealer (TS)	2 - Moderate	Reactivity	0
	1 - Slight	Special Hazard	0
	0 - Insignificant		

Chemical Identity Information

Proprietary mixture containing no hazardous ingredients.

Physical Data

Appearance:	Clear Liquid
Odor:	None
Boiling Point:	100 degrees C.
Specific Gravity:	1.04
Solubility in Water:	Complete
pH (1% solution)	10.85

Fire and Explosion Data

Flash Point (Test Method):	Does not flash
Unusual Fire & Explosion Hazard:	None
Flammability or Explosive Limits:	Not Applicable
Special Firefighting Procedures:	None
Extinguishing Media:	Not Applicable

Reactivity

Stability:	Stable
Conditions to Avoid:	None
Incompatible Materials:	Do not mix with other chemicals

Hazardous Polymerization: Will not Occur
Hazardous Decomposition Products: None Known

Health Hazard Data

Contains no hazardous materials as defined by OSHA and ACGIH.

Eyes: May cause irritation and redness. Flush with cool, clean water for at least 15 minutes. If irritation persists, get medical attention.

Skin: May cause redness. Flush with water, as above.

Ingestion: Non-toxic, may cause gastro-intestinal problem. Do not induce vomiting. Dilute with large amounts of water and weak vinegar or orange juice. Get medical attention immediately.

Special Protection Information

Protective Gloves: Rubber gloves recommended.

Eye Protection: Safety goggles recommended.

Respiratory Protection: Protective mask should be used.

Local Exhaust: Good ventilation.

Spill or Leak Procedures

With small spills or leaks use absorbent material such as a sawdust, vermiculite or sand. Larger spills dilute with large amounts of water, before flushing to a sewer or drain according to local, provincial or federal regulations.

Special Information

Keep container closed when not in use. Store away from heat and do not freeze. Keep out of reach of children.