



# Enviro Science Technologies

## SILANE SEAL - 40

Penetrating sealer for concrete surfaces.

**Primary Use:** Silane Seal- 40 is made to use on concrete decks, pavements, ramps marine platforms bridges, parking garages, airport runway, and etc.

**Features:** Long lasting protection for new as well as old concrete. High Alkali resistance. Dries fast tack free and skid resistant. Prevent from spalling and sealing concrete.

**Condition To Avoid:** Do not use at or below 40°F temperature. Keep off glass surfaces, or clean immediately.

**Chemical Composition:** Silane seal 40 is organofunctional Alkyl Alkoxy Silane, Composed in with hydrocarbon solvent.

**Technical Data:**

Silane seal 40 has met or surpass following specifications.

1. SS-W-110 C Federal specifications.
2. (ATST2a) Alberta Transpiration and utility procedure.

Active Solid ----- 40%  
 Solvent ----- --Mineral spirits  
 Flash Point ----- 112°F (44°c)  
 Shelf Life -----12 months  
 Chemical Family ----- Organofunctional Silane and Siloxane.

### TEST DATA

Test for	Value	Test Method
Chloride Screened 100	98%	NCHRP #244 test method applied  Sq.ft/gal.
Scaling Resistance cycle.---	No. Scaling	ASTM - C - 672 50 cycle and 125
Water Absorption	0.364%	ASTM -C - 642 24 hours..
Repellence Factor	98.6%	NCHRP # 244 test method.

## SILANE SEAL - 40

**Surface Preparation:** Surface should be free of all dust, debris, oil and stains, caulk all the joints, cracks and patch surface before applying silane seal 40. For old concrete remove tar oil and rust stain, use high-pressure washer to clean old concrete surface.

**How To Apply:** Application can be made with pressure sprayer, roller or brush.

**For Horizontal Surfaces:** Apply silane seal 40 using low-pressure sprayer roller or brush.

Apply at 10 to 20 PSI using airless sprayer. If puddles, spread out freestanding material till looks even.

**For Vertical Surfaces:** Application can be made with low-pressure sprayer using 10 to 20 PSI. Or can be applied with roller or brush. When spraying vertical surfaces let the material run down 5 to 15 inches saturating the surface from contact point of spray.

Spray again with second application before surface dries.

**Clean Up:** Use mineral spirits or toluene to clean tools and equipment.

**Caution:** Silane seal 40 is made to use as is. Do not dilute or alter this product. Use in well-ventilated areas only; protect non-masonry surfaces, like window glass, frame and metal.

**Curing time:** Seal silane 40 will be touch to dry in 2 hours, initial cure will be in 24 hours maximum cure will reach within 7 days.

**Packaging Size:** 5gal, 55gal or can be custom made per customer request.

**Limited Warranty:** On individual project base E.S.T. will provide a written warranty up to 10 years for material only. E.S.T. has no control over the storage handling or use of this product. The warranty is limited to the purchase price of the defective materials only.

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