

PRODUCT NAME

Cremsil™
Octylsilane Thixotropic Cream Primer and Water Repellent

NORTH AMERICA MANUFACTURER DISTRIBUTOR

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KEY BENEFITS

- Deep penetration
- Significantly reduces chloride and water absorption
- Resistant to alkalis
- Comprehensive protection against freeze/thaw damage and road salt attack
- Provides good adhesion for coatings
- Single coat application
- Thixotropic allows application without loss of material
- Solvent free, aqueous and environment friendly

DESCRIPTION

Cremsil™ is an octylsilane based thixotropic cream used to protect concrete substrates from water and chloride ion penetration. As the 80% active silane material penetrates and reacts within the concrete it forms a polymeric silicone resin with strong and durable covalent bonds providing a water repellent barrier throughout the penetrated zone; the water repellency of the substrate not be confused with surface beading that is just a surface effect. Does not clog pores or capillaries or affect the concrete's ability to breath.

The cream format allows a very efficient application free from drips and without evaporation loss experienced during application with low viscosity silanes even on walls and soffit areas. Applied in one coat to desired thickness a creamy layer initially forms on the surface then the active silane ingredient impregnates the concrete within 30-minutes to several hours depending on porosity of the substrate. **Cremsil** can be used as a standalone product or as a high performance primer for **Klaas Coatings Si-Rex03™** Silicone Resin Emulsion Paint.

AREAS OF USE

- Cast-in-Place Concrete
- Precast Concrete
- As a primer for **Si-Rex03** Silicone Resin Emulsion Paint applications to above-grade concrete vertical surfaces.

SURFACE PREPARATION

Surfaces should be dry and free from contamination such as release compounds, oil, grease, loose particles, decayed matter, mildew, mold, laitance and any other material that may inhibit penetration.

High pressure water wash or use compressed air to remove coarse particles, dirt and dust from new off-form and precast concrete surfaces. High-pressure steam wash weathered and heavily soiled surfaces. Concrete surface to be uniformly dry with no damp patches.

Concrete should be at least 14-days old and preferably 28-days old. Repair patching should be at least 3-days old.

Protect plants, glass, asphalt, bitumen, plastics and painted surfaces prior to application.

APPLICATION METHOD

Cremsil is best applied undiluted by airless spray method in desired thickness with surface and ambient temperature between 45°F and 95°F. Lambskin roller, brush or spatula suitable for smaller areas.

APPLICATION RATE

Apply at between 95 ft²/gal to 180 ft²/gal subject to substrate porosity/absorbency. On high strength concrete avoid surface liquefaction (and material run off) applying at less than 145ft²/gal. As a primer for **Si-Rex03** Silicone Resin Emulsion Paint apply at between 150-180 ft²/gal subject to substrate porosity/absorbency. Undertake test areas prior general application to evaluate.

APPLICATION QC

A creamy layer initially forms on the surface but then disappears as it penetrates into the substrate; can take several hours for full penetration within substrate. A second coat can be applied at any time but is usually unnecessary. Do not apply;

- if rain is due on day of application
- in direct sunlight
- in high wind conditions
- if ambient temperature is 45°F and falling

SILICONE RESIN EMULSION PAINT TOPCOAT

Allow **Cremsil** to cure for 24-hours prior to application of **Si-Rex03** Silicone Resin Emulsion Paint from **Klaas Coatings**.

RESTRICTIONS ON USE

Do not use in below-grade with hydrostatic pressure present or in full immersion applications. Should rain be due to commence stop application and cover treated areas.

PACKAGING

52.84 Gallon (200 Liter) Drum
5 Gallon (18.93 Liter) Pail

STORAGE

Cremsil has a shelf life of at least 12-months when stored in the originally sealed containers at temperatures not exceeding 90°F (32°C); minimum temperature during storage and transportation 34°F (1.5°C). Containers must be protected against direct sunlight.

Storage beyond date specified on the label does not necessarily mean product is no longer usable; properties required for intended use must be checked for quality assurance reasons.

CLEAN UP

Water. Refer to Material Safety Data Sheet (MSDS).

PRODUCT DATA

Color:	White or yellowish cream
Active Component:	Octyltriethoxysilane
Active Content:	approx. 80%wt
Solvents:	None (Water Based)
Density at 77°F / 25°C:	approx. 7.5lb/US gallon 0.9g/cm ³
pH:	7.0 approx.
Flash point:	147°F / 64°C

Note: The information provided is intended as a guide only and is correct to best of our knowledge at time of issue. It should not be considered as a definite approval for suitability for a particular purpose. It is the responsibility of the specifier, user and/or owner to determine the suitability of the product for its intended use.