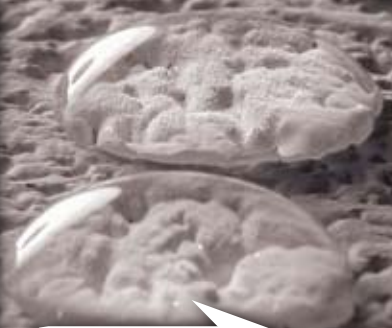




# Cremsil

Octyl Silane Cream

**Deep Penetrating Water Repellent  
High Performance Silane Cream  
for Concrete Infrastructure**



**High Performance  
Protection**

Cremsil from Klaas Coatings is a water based octyltriethoxysilane in a thixotropic cream used to protect concrete substrates. It can be used as a stand alone product or as a high performance primer for coatings such as Si-Rex03 Silicone Resin Emulsion Paint.

## Key Performance Values

- Synergistic and Compatible System
- Deep Penetration
- Water Repellency
- Single Coat Application
- Low Waste Efficient Application
- Alkali Resistant
- Excellent Protection from Water and Chlorides
- Easy Application/Post Application QC
- Water Based, Environment Friendly

## Synergistic and Compatible System

Cremsil's deep penetration Silane formulation and Si-Rex03 Silicone Resin Emulsion Paint are from the same chemical family. Both are strongly water repellent, both are breathable; thus stops sweating found with conventional coatings. Enables the substrate to completely dry-out and impedes ingress of chlorides to break the corrosion cycle. Both are organic/inorganic hybrids ensuring very long durability; and very low maintenance.

## Deep Penetration

The cream format and high active content (80%) attains deep penetration - without loss even on walls and soffit areas - providing all round protection.

## Typical Penetration

- 3625psi (25MPa) concrete - 0.4" (10mm)
- 5075psi (35MPa) concrete - 0.3" (8mm)
- 6525psi (45MPa) concrete - 0.2" (5mm)

## Water Repellency

As the cream penetrates and reacts with the concrete Cremsil forms a polymeric silicone resin with very strong and durable covalent bonds to the substrate for strong water repellency through the penetrated zone. Water repellency of the penetrated zone should not be confused with surface beading, that is a surface effect.



## Single Coat Application

Cremsil is best applied by airless spray in one application. The silane cream remains on the surface after application and penetrates deeply into the concrete over time until fully absorbed. This minimizes evaporation loss that is a problem for low viscosity silanes during application. Deeper penetration significantly improves durability and protection performance.



## Low Waste High Efficiency Application

Cremsil suffers no waste through solvent evaporation and is free from drips during application. The area with material applied maintains a white creamy surface for at least 30-minutes and it takes several hours for full penetration to be achieved.



Freshly Applied



30 Minutes



2 hours

## Alkali Resistant

Cremsil is resistant to effects of UV, extreme temperatures, alkalinity and microbe attack.

## Excellent Protection from Water and Chlorides

The dry zone created by the deep penetration of Cremsil protects the coating from attack by water, salts and alkalis that usually would be transported to the surface.

## Easy Post Application QC

Take core samples to test Cremsil penetration depth. Wet core with water; water will darken the unpenetrated zone



## Water Based, Environment Friendly

Cremsil is a water based system; safe to use, safe to the environment.