

CEMTEC CONGUARD

ALIPHATIC ACRYLIC PROTECTIVE COATING



DESCRIPTION

CONGUARD is an aliphatic acrylic protective and decorative coating for exposed concrete and masonry surfaces. Conguard system comprises a single component deep penetrating silane-siloxane primer and a single component acrylic coating as a topcoat in various colours. The silane-siloxane primer is reactive and producing chemically bound hydrophobic barrier, thus preventing the diffusion of water and water borne chemicals like chlorides. The CONGUARD Top Coat is a solvent based protective coating that provides outstanding resistance against aggressive environments and UV light.

FEATURES & BENEFITS

- Provides an efficient barrier to chloride ions, Oxygen, Carbon-di-oxide, Sulphates and Water.
- UV resistant and outstanding resistance to the effects of long-term weathering
- Highly durable in all climatic conditions.
- Resistant to dirt-pick-up
- Excellent water vapour permeability.

BASIC USES

- Parking Structures
- Bridges
- Marine Platforms
- Auto/Truck repair bays
- Ramps
- Exterior Concrete Surfaces

APPEARANCE

CONGUARD PRIMER is a clear, solvent-based material. After placement and drying, the product has virtually no effect on the appearance of dry concrete. CONGUARD Primer treated specimen will cause water to "bead" at the surface.

STORAGE

CONGUARD PRIMER and CONGUARD have a shelf life of 12 months, if kept in a dry, store in the original unopened packs. Store in a cool, dry conditions, away from sources of heat and naked flames, in the original unopened pails.

DIRECTIONS FOR USE

All surface should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algal growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by lightly gritblasting the surface. Where moss, algae or similar growths have occurred, treatment with a proprietary biocide should be carried out after the grit-blasting process.

Where application over existing sound coatings is required, trials should be conducted to ensure compatibility and retention of the bond between the underlying coating and the substrate.

It is essential to produce an unbroken coating of Conguard. To ensure this is achieved, surfaces containing blowholes or similar areas of pitting should first be filled using REPCON FC, a cementitious fairing coat.

APPLICATION

In order to obtain the protective properties of the CONGUARD system, it is important that the correct rates of application and over coating times are observed. Any areas of glass should be masked. Plants, grass, Joint sealants asphalt and bitumenpainted areas should be protected during application. The primer should be applied in one or more coats until the recommended application rate of 0.4 liter per square metre has been achieved. This is best accomplished by using portable spray equipment of the knapsack-type.

The primer should be allowed to dry for a minimum of two hours (at 20°C) before application of Conguard . Under no circumstances should the primer be overcoated until the surface is properly dry.

All primed substrates should be treated with two coats of CONGUARD. The material should be stirred thoroughly before use. The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating with a wet film thickness not less than 175 microns. This coat should be allowed to dry before continuing. The second coat CONGUARD should be applied exactly as detailed above, again achieving a wet film thickness not less than 175 microns.

COVERAGE		Conguard Primer Flood Coat	Conguard Two Coats
	Number of Coats Application	0.4 liters/m ²	0.35 Liters/m ²
	Wet film thickness per two coats	N/A	350 microns
	Dry film thickness per two coats	N/A	150 microns
PACKAGING	CONGUARD PRIMER is packed in 20 liters pail and in 210 liters drums. Conguard is packed in 20 liters pail and 210 liters drums.		
COLOR	Contact CMCI tech dept.		

PRECAUTIONS & LIMITATIONS

- Do not use over membrane forming Sealers
- Concrete temperature at the time of application should be below 45°C and above 4°C
- New concrete surfaces should be a minimum of 28 days old.
- Confined or inside areas must be ventilated.
- Protect adjacent areas from overspray
- In case of contact with skin, rinse with plenty of clean water, then clean with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- Solvents in CEMTEC CONGUARD are flammable, keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion - proof application equipments.

Quality Statement

CMCI manufactures its products at their manufacturing facility in Saudi Arabia as per the Quality Procedures certified to conform with quality Management System described in ISO 9000 series

CMCI provides a comprehensive technical support system for its full range of high performance construction products CMCI also offers full technical field support to consultants, Architects, contractors, applicators and End Users.

"High Quality Construction Chemicals"
CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES
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The Technical Specification information and recommendations given are based on the current technical knowledge and the user or his representative is recommended to check the suitability of the product CMCI reserves the right to amend the technical characteristic of the product as part of ongoing research and development. As the work execution is beyond the direct and continuous control of CMCI no warranty and or responsibility is assumed on the performance of work completion executed with use of our products.