

Product Description

Technokem Cote is a breathable, water based aliphatic acrylate based elastomeric coating for exterior masonry surface. It has exceptional flexibility, sealing of cracks, UV resistance and adhesion characteristics to provide optimum protection to surfaces subject to thermal movement.

Advantages

- High Build Film - Higher thickness ensures longevity
- Elastomeric - Accommodates thermal movement of hair-line cracks
- UV Stability - Resistance to UV rays
- Anti-Dirt & Anti-Fungal
 - Low dirt pick-up and can be cleaned easily
 - Resistance to Fungal and Algae
- Breathability - Allows internal moisture to escape
- Ease of application - User friendly product and can be easily applied by brush, roller or spray

Uses

Technokem Cote system is suitable for use on all types of concrete structures which are directly exposed such as Buildings, Bridges, Flyovers and Under-passes. Also Suitable for application on previously painted surfaces.

Properties

Specific Gravity	:	1.2
Adhesion to concrete	:	Good (>1.3N/mm ²)
Water permeability	:	Nil after 24 hours
Resistance to chloride, sulphate ions and carbonation	:	Good
UV resistance	:	Good
Resistance to algae & fungi	:	Good
Breathability	:	Breathable
Dry Film thickness	:	120 microns in 2coats
Elongation at 120 microns ASTM D412-02	:	>100%
Volume of solids	:	58 ± 2%
Appearance	:	White & Dark bases

Application Instructions

Surface Preparation

All surface should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algae growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by thorough surface preparation.

It is essential to produce an unbroken coating of Technokem Cote water based system. To ensure this is achieved, surfaces containing cracks should first be filled using Techno CrackFill and spalled portion with polymer modified mortar using Techno Bond SBR/AR.

Priming

Techno Prime Cote is a water thinnable acrylic primer coating for external walls. It has excellent water repellent characteristics and hence provides water proofing properties to external walls.

- Prime the surface with Techno Prime Cote diluted with potable water by 25% (1ltr of primer and 250ml of water) and allow it to dry for 2-3hrs

Application

In order to obtain the protective properties of the Technokem Cote water based system, it is important that the correct rates of application and over coating time are observed.

Mixing

Add maximum of 4 Ltrs clean water to the 20 litre container and mix thoroughly using a slow speed drill fitted with a paddle.

	Technokem Cote
Number of coat(s) recommended	2
Total dry film thickness	min.120 microns
Over coating time	@ 30°C 5 - 6 hours

Application should not commence if the temperature of the substrate is below 10°C or above 45°C