Mahaguard CTE - 771

Two Component Epoxy Polyamide Based Tar Modified Coating

Description

Mahaguard CTE - 771 is a 2-component high build waterproofing and anti-corrosive system based upon epoxy resin, coal tar & amine curing agent specially chosen for their ability to withstand high degrees of corrosion and also for mild chemical attacks.

Features / Advantages

- Tough hard, heavy duty.
- Abrasion and impact resistant.
- Easily applicable by brush and trowel.
- Bond strongly to most of the building materials.
- No primer is required excellent resistance to chemical aggression.
- Excellent resistance to water and chemicals.
- Resistant to microbes.

Typical application

Protective coat for concrete and steel, as internal and external coating for buried and submerged structures e.g. sewage systems, effluent plants, chemical industries, harbor facilities etc. Also suitable where application on to concrete & steel (internal & external buried & submerged structures). Cooling tower and underwater structure, wastewater treatment plant

Technical Information

Sr.No.	Properties	STD	Results
1	Appearance Part – I		Free flowing viscous liquid
2	Appearance Part – II		Free flowing clear liquid
3	Colour Part – I		Black Water
4	Colour Part – II		Pale yellow
5	Mixing Ratio		1.35 – 1.45
6	Pot life @ 30°C		Min. 2 hrs
7	Tack free time @ 30°C		Min. 2 hrs
8	Full curing time @ 30°C		7 days
9	DFT, Microns (2 coats)		250 to 300
10	Flexibility, Mandrel test	ASTM D-522 - 93	No cracking of film & adhesion loss
11	Bonding / adhesion, N/mm²	ASTM D-4541	2
12	Scratch resistance, for 7 kg load	ASTM D-7027 - 05	Passes
13	Water resistance, immersion – 7 days	ASTM D-870 - 02	Passes
14	Chemical resistance, 7 days immersion in dilute acid alkali & salt solutions)	ASTM C-543	Passes

Methods of Application

Surface Preparation

Surface must be clean and free from dirt, rust, grease, oil, and loose particles. Thoroughly clean the concrete surface by harsh wire brushing. Clean the dust by compressed air. Always wash the surface with water to remove accumulated dust & dirt to achieve good bonding. Remove rust scales, by wire brushing & scrapping. The best method to clean the surface is sand / grit blasting for best performance. For new surfaces to clean oil & grease use degreasing solvents, such as turpentine or thinners. Surface must be dry before application.

Mixing

Stir Part A and Part B components with the mixer speed low at (250 - 300 rpm/min) homogeneous pre-mixed. Transfer the hardener component (part B) to base component (part A) container completely. Stir Part A and Part B components with the mixer speed low at (250 - 300 rpm/min) approximately for 3- 5 minutes to homogeneous pre-mixed. Allow mixed material to mature for another 5 minutes because chemical reaction starts.

Application

Apply 1st coat of **Mahaguard CTE-771** over the prepared surface using a brush or roller or spray. Allow first coat to dry for 8-10 hrs. After 10 to 12 hrs interval Apply 2nd coat, in reverse direction of first coat.

Mahaguard CTE - 771

Two Component Epoxy Polyamide Based Tar Modified Coating

Packing

20L

Storage and Shelf life

Shelf life is 1 year from the date of manufacturing in unopened condition. Store in dry & moisture free area.

Consumption

4 to 4.5 m^2/L/coat. It may vary depending on surface condition.

Cleaning of Tools & Equipments

Tools and equipment should be cleaned with solvent immediately after use.

Precautions

- Do not dilute with thinners.
- Splashing into the eyes must be washed immediately with clean water and must see a doctor for medical advice.
- Contact with skin can be removed with a cotton swab soaked in Acetone and subsequently washed with soap and water.
- Provide proper ventilation, during application in tanks or close areas.

Ecology, Health and Safety

Health & Safety instructions, all chemicals should not come in contact with skin and eyes or be swallowed. Protective gloves and goggles should be worn. If contact with skin occurs, wash well with soap and water.

Eye contamination should be washed thoroughly with clean water and medical advice sought.

If swallowed seek medical attention immediately. Do not induce vomiting.

Mahaguard CTE - 771

Two Component Epoxy Polyamide Based Tar Modified Coating

Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product.

Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions.

The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.

Nikhil Adhesives Limited
902, 9th Floor, A Wing, Kaledonia HDIL Building,
Sahar Road, Opp. D-Mart,
Andheri (East), Mumbai – 400069

8655691400
support.mahafix@nikhiladhesives.com
www.nikhiladhesives.com