

TARCOAT

COAL TAR EPOXY PROTECTIVE COATING



DESCRIPTION

TARCOAT is a solvent free two component high build amine-cured coal tar modified epoxy coating. It has excellent adhesion with concrete and steel surfaces.

FEATURES & BENEFITS

- High build coating.
- Easy to apply by brush or spray.
- Long term protection against corrosion.
- High chemical and abrasion resistance.
- Direct application, in most cases no priming is necessary.

BASIC USES

- Primarily designed to protect concrete and metal surface against corrosion from aggressive environments. It is also highly recommended for steel tanks and pipe linings.
- Useful for sewage works, effluent plants, dock and harbor structures.
- Suitable for underground and foundation waterproofing to resist against chlorides, sulphates and sewage, etc.

DIRECTIONS FOR USE

Concrete

New concrete should have cured until the shrinkage and moisture movement is low and possess an open, porous and textured surface with all curing compounds and sealers removed. Surface must be clean, dry and free from grease, dust and other contamination. Methods generally used for preparing concrete are sand blasting, scarifying, acid etching, water jetting, grinding and wire brushing, etc. The final step in cleaning shall be the complete removal of all residues by vacuum cleaning. Standing water should be removed and the surface must be completely dry.

Steel

All surface should be grit blasted to meet the requirement of BS 4232. Newly cleaned steel is coated as soon as possible before the formation of rust or scale.

Mixing

Add Part B, (the hardener) into the Part A, (the resin) and mix using a slow speed electric drill fitted with a jiffymixer. Mix for at least 3 minutes till uniform consistency is obtained. If necessary, viscosity can be adjusted by adding 2 - 5 % CEMTEC SOLVENT.

Application

TARCOAT may be applied by brush, or spray to give a uniform finish. Allow to full cure prior to putting into service.

CLEANING

Tools and equipment should be cleaned with with CEMTEC SOLVENT before the Epoxy hardeners.

TECHNICAL INFORMATION

Solid	-	100%
Specific Gravity	-	1.26 kg/Litre
Theoretical Coverage	-	10.7 m ² Per Gallon @ 350 microns dry film thickness

(Coverage will be less on rough or textured surfaces and at higher film thicknesses)

Dry to touch	-	Approx. 24 hours at 25°C
Pot life	-	1 hr.15mts.at 25°C
Full Cure	-	14 days after application
Standard	-	Conforms to BS 5493.
Adhesion to concrete	-	>3 MPa No bond failure at the substrate
Adhesion to Steel	-	7.2 MPa
Temperature Stability @60°C	-	No sign of flowing dripping or drop formation was observed when conditioned at 60°C

CHEMICAL RESISTANCE

Alkalies	Excellent
Ammonia 10%.....	Excellent
Battery Acid	Good
Sea water	Excellent
Effluent Water	Excellent
Exhaust & Sewage Gases	Good
Gasoline	Excellent
Hydrochloric Acid, 20%	Good
Toluene	Good
Acetic Acid	Poor
MEK	Poor
Water	Excellent
Sewage	Excellent
Distilled water	Excellent
Nitric Acid, 10%.....	Good
Vegetable oils, Mineral oils and fats	Excellent
Salt Solution ..	Excellent
Sodium Hydroxide 10%.....	Excellent
Sulphuric Acid 20%.....	Excellent

PACKAGING	Available in 10 liter (A+B) kits.
COLOR	Black

HEALTH & SAFETY

- Epoxy components may cause irritation, avoid contact with skin and eyes.
- Always wear protective clothing (rubber gloves, eye protection, etc.) when using the product.
- Solvents are Flammable. Keep away from heat, sparks, open flame, or lighted cigarettes. Use explosion-proof application equipments.

TSS/TDS/16022022-B

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"
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