Cemtec®
The Trusted Brand in CONSTRUCTION CHEMICALS

ISO 9001 BUREAU VERITAS Certification

# TARCOAT

## COAL TAR EPOXY PROTECTIVE COATING

**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.

### RECOMMENDED 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.

### ADVANTAGES

- 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.

### TECHNICAL INFORMATION

| | | |
|---|---|---|
| Solids | - | 100% |
| Color | - | Black |
| 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. 15 mts. at 25°C |
| Full Cure | - | 14 days after application |
| Standard | - | conforms to BS 5493. |
| Adhesion to concrete | - | >3N/$mm^2$ No bond failure at the substrate |
| Adhesion to Steel | - | No bond failure at the substrate |
| Temperature Stability @60ºC | - | No sign of flowing, driping or drop formation was observed when conditioned at 60℃ |

### CHEMICAL RESISTANCE

| | |
|---|---|
| Alkalies | excellent |
| Ammonia | excellent |
| Battery Acid | good |
| Sea water | excellent |
| Effluent Water | excellent |
| Exhaust & Sewage Gases | good |
| Gasoline | excellent |
| Hydrochloric Acid, 10% | 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 |

### DIRECTIONS FOR USE

**Concrete** - New Concrete should have cured until the shrinkage and moisture movement is low and possess and open, porous and textured surface with all curing compounds and sealers removed. Surface must be clean and free from grease, dust and other contamination. Methods generally used for preparing concrete are sand blasting,acidetching,water jetting,grinding and wire brushing, etc The final step in cleaning shall be the complete removal of all residues by vacuum cleaner or pressure washer. 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 ½ electric drill fitted with a jiffymixer. Mix for at least 3 minutes till uniform consistancy 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 full cure prior to putting into service.

### PACKING

**TARCOAT** is packed in 1 gallon kits

### CLEANING

Tools and equuipment should be cleaned with CEMTEC Solvent before the Epoxy hardeners.

### PRECAUTIONS

- 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.

CMCI

*"High Quality Construction Chemicals"*

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## QUALITY STATEMENT

CMCI manufacture 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