

CCI NEO TAR COAT 45

Solvent-free Epoxy Coal Tar Coating

Description

CCI Neo Tar Coat 45 is a solvent-free two-component polyamidoamine-cured coal tar epoxy coating which provides excellent adhesion, touchiness, resistance to water, chemicals, etc. This is suitable for protection of steel in conjunction with cathodic protection system.

Uses

CCI Neo Tar Coat 45 is ideal for long-term protection of steel and concrete. It can be used on the underwater hull exterior in conjunction with cathodic protection owing to its excellent alkali resistance. It is also suitable for application in the cargo holds of bulk carriers and interiors ballast freshwater tanks. It is also recommended for use over concrete after preparing concrete for coating application. Refer surface preparation para.

Method of Application

Surface Preparation

Steel – Degrease and blast clean to Sa 2½ suitably primed.

Concrete – New concrete should be cured for min 28 days. Sweep blast or acid etching required. Concreted moisture should not be more than 4%. Concrete should be primed with a thin coat of epoxy primer to fill pores before application of Coal Tar Epoxy coating.

Coverage

4 m² to 5 m²/L at 200 μ.

Indicative Characteristics

Colour	Black
Finish	Semi-glossy
Flash Point	> 25°C
Specific Gravity	1.2 to 1.3
VOC	< 100 g/L
Mixing Ratio	Base: Hardener – 4.5: 1 by weight Base: Hardener – 3: 1 by volume
Induction Period	After mixing Base with Hardener, start paint application after 20 to 30 minutes
Pot Life	4 to 6 hours
Volume Solids	~ 45%
Recommended DFT	200 Micron per coat. For concrete, 2 × 200 micron should be applied to get adequate performance as a waterproofing
Adhesive Bond Strength, ASTM D4541	> 2 N/mm ² with concrete
Method of Application	Brush / Roller / Airless
Airless Spray	Tip size : 0.021" to 0.026" Fluid Pressure : 2500 to psi.
Salt Spray Test at 300 hours, BS 1881	Passes
Accelerated Weathering at 400 hours, ASTM D4587	Passes
Drying Time	Surface Dry : 6 hours Hard Dry : 24 hours Full Cure : 7 days
Intercoat Interval	Minimum 24 hours Maximum 7 days (For best results, overcoat within 48 hours)
Thinner recommended	Thinner not recommended; Epoxy thinner only to be used for cleaning painting equipment

Packaging

4 kg, 32 kg.

Shelf life

CCI Neo Tar Coat 45 has a minimum shelf life of 12 months.

Precautions

Ventilate confined spaces adequately prior to and during application to avoid suffocation.

Health & Safety

Before use, refer to the Material Safety Data Sheet (MSDS). The MSDS is available on www.ccichemicals.in or contact us at info@ccichemicals.in.

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