

Cicocoat® Tar Epoxy

High Chemical Resistance, Coal Tar Epoxy Coating

DESCRIPTION

Cicocoat® Tar Epoxy is a two component self priming coal tar pitch extended epoxy resin based protective coating. It provides a chemically resistant coating to a suitably prepared substrate such as concrete and steel. Cicocoat® Tar Epoxy is ideal to be used in sewage and wastewater projects. Cicocoat® Tar Epoxy can be used for high rise buildings and submerged foundations waterproofing. Cicocoat® Tar Epoxy forms a high bonded cold applied waterproofing membrane with the minimum applicable DFT for such products, Cicocoat® Tar Epoxy contains 70% Epoxy, 30% coal Tar in the dry film.

USES

- Waterproofing for sewage projects concrete and steel structural elements.
- Sensitive and critical foundations waterproofing.
- Waterproofing for high and aggressive chemical attack exposed concrete.
- Lining of concrete and ductile piping projects.

ADVANTAGES

- Highly Waterproofing.
- High bond with concrete, cement mortars, PP, and PVC surfaces.
- Resistant to chemical attack.
- Easily applied by brush, spray, or roller.
- Anti-fungus.
- Self priming.
- Doesn't affect cathodic protection systems.
- Provides long term corrosion protection.
- Gives seamless layer, epoxy containing.
- Economic

STANDARD COMPLIANCE

ASTM D450, and ASTM D1763 Type-1, Grade 1 & 2.

PACKAGING

30 kg sets

SHELF LIFE & STORAGE

12 months storage life if stored in its original unopened containers under a dry and shaded place in a temperature from 5°C to 40°C.

TECHNICAL PROPERTIES

color	Black
Density @ 25°C	1.55±0.2 kg/ltr
Solid content by weight	80±1%
Flash point	>37°C
Pot life @ 25°C	150±15 min.
Touch dry @ 25°C (overcoat time)	12 hrs.±30 min.
Adhesion to concrete (ASTM D7234)	>1.5 MPa (concrete failure)
Typical thickness	300 micron/coat
	2 m²/kg/250 micron
*Coverage	DFT (recommended 2 coats)

*Some substrates will require higher consumption than indicated above. This figure is theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

APPLICATION INSTRUCTIONS

Surface Preparation

Concrete surfaces:

All surfaces to be treated should have a moisture content of less than 5%. They must be clean, dry, and free from dust, and laitance. Dense concrete should be abraded followed by surface cleaning using a suitable brush. All cracks and pin holes should be filled by the proper Cicorepair® or Cicomortar® systems.

Steel surfaces:

All steel substrates should be free from dirt, oil, and grease and blast cleaned to Sa 2½ according to EN ISO 12944, part 4.

The first coat of Cicocoat® Tar Epoxy should be applied as soon as steel cleaning finishes (normally not more than three hours).

Mixing

Stir component A (the base) separately. The entire content of the hardener should be poured into the base container, and both should be mixed thoroughly for at least one minute until a uniform consistency is achieved. A suitable mechanical mixing device should be used.

Application

Once mixed, the material should be immediately applied using a brush, roller, or spray ensuring a continuous coating of uniform thickness. Apply a minimum of two coats to have the required protection level keeping at least 12 hours in between them @ 25°C.

CLEANING

Tools contaminated with Cicocoat® Tar Epoxy can be cleaned using Cicosolvent®. Hardened material can be removed by mechanical means.

PRECAUTIONS

Health And Safety

Cicocoat® Tar Epoxy should not be swallowed or allowed to come into contact with skin or eyes. Suitable protective goggles and gloves should be worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When contact with the skin is made, wash off immediately with soap and water. If swallowed, seek medical attention immediately, do not induce vomiting.

TECHNICAL SUPPORT

CIC provides on-site assistance, as well as consulting services on projects when requested. Technical data sheets on other CIC products and guidance on their use are available on request.

Warranty

CIC products are guaranteed against defective materials and manufacture and sold subject to CIC's standard terms and conditions of sale. Whilst CIC endeavors to ensure that any advice, information or recommendation given is correct, the company cannot accept any liability either directly or indirectly arising from the use of its products. User of the product must test the product's suitability for the intended application and purpose, since the company has no control over the application of its products. Information contained in this document is given on the best current knowledge. Our Products are in continuous development and CIC reserves the right to change the product without prior notice.

