

Cicoproof®200

Tar Modified Hybrid PU Elastomeric, Waterproofing Coating

DESCRIPTION

Cicoproof®200 is a one component, tar extended hybrid Polyurethane based elastomeric waterproofing, and protective coating. Due to its high elastic membrane formation, Cicoproof®200 is ideal to be used for concrete and steel structures waterproofing. Cicoproof®200 is black due to the existence of tar; it can't be in any other color.

USES

- Kitchens, and bathrooms waterproofing.
- Terraces, balconies, patios, and green boxes water and vapor barriers.
- Waterproofing membrane for foundations and ground floors.
- For car park decks and tunnels.
- Submerged and critical deep foundations waterproofing

ADVANTAGES

- Single component, easy to apply.
- Chemical resistant; resists deterioration from diluted acids and alkalis, oil, salts, bacteria, and common fuels.
- High bond to concrete and other common construction materials.
- Highly elastic, obtains excellent crack bridging capability.
- Forms seamless water barrier membrane.
- Can be applied by brush, roller, or airless sprayer.

PACKAGING

20 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

Form	Viscous black liquid
Density @ 25°C (ASTM D1475)	1.25±0.02 kg/ltr
Solid content	85±2%
Pot life @ 25°C	
Overcoating time @ 25°C, 50%RH	24 hr.
Full cure time @ 25°C	7 days
Adhesion to concrete	>1.5 MPa (concrete failure)
Water permeability@ 5 bar (BS EN 12390)	Nil
Tensile set recovery	100%
Flexural strength (ASTM D2370)	42 N/mm ²
Elongation (ASTM D412)	≥600%
Shore A Hardness (ASTM D2240)	40-50
Crack bridging	1.5 mm
Tear resistance (ASTM D624)	≥20 N
Coverage	1.35 m ² /kg @ 500 micron DFT
Recommended thickness	1 mm@ 2 coats

APPLICATION INSTRUCTIONS

Surface Preparation

All surfaces to be treated must be clean, dry, and free from dust, rust, and laitance. Concrete should have a maximum moisture content of 5%. All cracks should be filled with proper cement base slurry or any suitable Cicorepair® product. All steel substrates should be free from dirt, oil, and grease & blast cleaned to Sa 2½ according to EN ISO 12944, part 4.

All corners and any wall to floor angles should be soft rounded using suitable cement mortar, then covered by one thick coat of Cicoproof®200 reinforced with 20 cm wide of light geotextile fabric (50-75 gm/m²) prior to applying the waterproofing continuous layer. Well prepared surface doesn't need priming.

Mixing

Although Cicoproof®200 is a single component, it needs to be thoroughly stirred until a uniform consistency is achieved. A suitable mechanical mixing device should be used for that for one minute at least.

Application

Once stirred, the material should be immediately applied using a rubber squeegee, brush, or roller ensuring a continuous coat of uniform thickness. Two coats are recommended (in perpendicular directions) to obtain the required waterproofing and protection level. Apply the second coat after the first one becomes tack free, most commonly after 24 hrs.

LIMITATIONS

- Do not apply Cicoproof®200 directly on very porous substrates like brick; firstly, it should be rendered with proper cement mortar.
- Do not use Cicoproof®200 in contact with potable water, as it is toxic.
- It is not recommended to expose Cicoproof®200 to direct sun rays as it is not UV stable, it is recommended to be covered by cement based screed for protection.
- Application temperature: 5°C to 40°C.

CLEANING

Tools contaminated with Cicoproof®200 can be cleaned using Cicosolvent®. Hardened material can be removed by mechanical means.

PRECAUTIONS

Health And Safety

Cicoproof®200 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. Since Cicoproof®200 is flammable, keep away from heat, sparks, open flames, lighters, or cigarettes.

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.

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