

Carbolink's Solutions for Waterproofing CEM 2K (Eco)



**Waterproofing Product
Specifications & Technical
Data Sheets(TDS)**

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

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Carbolink India Pvt. Ltd. COMPANY PROFILE



For years, Carbolink India has been the Quality Leader in offering excellent Construction Chemical Products with Supreme Quality and Reliability.

Carbolink India Manufactures Industrial Flooring(Epoxy & PU Flooring), Decorative Flooring, 3D Flooring, Waterproofing Systems, corrosion protection, wood coatings, etc. which cater specifically to the Indian climate. With manufacturing facility in India, Carbolink India manufactures and supply Materials all through the country. Carbolink's commitment to customer service and technical support is the best. We work closely with architects, structural engineers, contractors and owners to best understand their requirements. Together we develop a best solution for a construction project, adding value and becoming more than just a materials supplier, but a solution provider.

With the support of our multinational manufacturing group, Carbolink India today has support centers across the country, strategically placed to provide consistent high standards of product and service.

Our Product Range:

- Anti Corrosive Coatings
- Car Park Flooring
- Curing Compounds
- Decorative Flooring
- Floor Hardner
- Grouts & Anchors



- Industrial Flooring
- Repairing Compunds
- Sealants
- Sports Flooring
- Tiling Products
- Wood Coatings



Waterproofing

Waterproofing is the process of making an object or structure waterproof or water-resistant, so that it remains relatively unaffected by water or resisting the ingress of water under specified conditions. Such items may be used in wet environments or under water to specified depths.

Water resistant and waterproof often refer to penetration of water in its liquid state and possibly under pressure, whereas damp proof refers to resistance to humidity or dampness. Permeation of water vapor through a material or structure is reported as a moisture vapor transmission rate.

Waterproofing is used in reference to building structures (such as basements, decks, or wet areas), watercraft, canvas, clothing (raincoats or waders), electronic devices and paper packaging (such as cartons for liquids).

Carbolink manufactures a full range of world class Waterproofing systems providing the most up-to-date technologies. Carbolink India is a leader in tailored Waterproofing Solutions.

Here is our Technical Description of CEM 2K (Eco) :





CEM 2K (Eco)

Two Component Acrylic Modified Flexible Cementitious Waterproof Coating

FEATURES

Flexible - Accommodates normal building movement
Two component elastomeric waterproofing system
Advanced acrylic based
Protect the concrete from long term weathering and resists UV rays
Water based - safe to use, low odour & easy cleaning
Suitable for all cementitious substrates

DESCRIPTION

CEM 2K Eco is a two component waterproof coating specifically designed for use on roofs, water tanks, water retaining structures as well as in bathrooms, showers, kitchens as an under tile protective membrane. CEM 2K Eco is flexible, safe to use, low in odour and toxic free.

The products have been uniquely formulated with special polymer to increase its strength. CEM 2K Eco is based on the most advanced acrylic polymer technology and is totally resistant to re-emulsification.

SURFACE PREPARATION

The substrate must be hard, sound and free of dust and other barrier materials such as paint, lime coatings, plaster, curing agents, laitance, adhesive residues etc., which will inhibit adhesion to the substrate.

Use a suitable Degreaser to remove polish, wax, grease, oil and similar contaminating substances prior to mechanical preparation. Contaminated substrates should be mechanically prepared, either by grinding or contained shot blasting equipment or similar, and be vacuumed clean prior to applying CEM 2K.

NOTE : Any joints or cracks in the substrate where differential movement is anticipated e.g. movement joints, should be brought through to the finished surface.

MIXING & APPLICATION

Individual contents of the CEM 2K Eco should be thoroughly stirred before being mixed together. The entire content of the Part A (5 Litres) should be poured into a larger mixing vessel to incorporate water and powder. Add approximately 2.5 Litres of water to the same vessel and mix for one minute. Finally add the Part B to the same vessel. Mix all the three materials with spiral mixing paddle in a slow speed drill, continue until a consistent homogenous mix is achieved. One or more packs can be mixed simultaneously to ensure a quick rate of installation.

Apply CEM 2K Eco by brush or roller. A medium nap paint roller is recommended. New rollers should be dampened with water before being used for the first time. For best results with a paint brush use a good quality, 50mm long bristle variety.

To achieve the required dry film thickness per coat application must consist of laying the product onto the surface and light finish the surface. Do not try to apply in the same manner as a building paint. A conventional building paint is normally applied at 25 - 40 microns for wet film thickness while Acrylic polymer waterproofing needs to be applied at between 0.8mm and 1.0mm per coat depending on product and application.

CLEANING

Wash hands, brushes, rollers, etc, with water while the membrane is still fresh. Remove cured material with mineral turpentine.

PROPERTIES

The values shown are typical of results obtained in the laboratory at $27 \pm 1^\circ\text{C}$. Actual performance values obtained on site may vary from those quoted.

COVERAGE ESTIMATES

Pack size	Coverage
20kg	Approximately
Part A 5 litres	14 m ² per pack
Part B 20kg	@ 0.8 mm - 1.0 mm thickness per coat
4kg	Approximately
Part A 1 litre	2.5 m ² per pack
Part B 3kg	@ 0.8 mm - 1.0 mm thickness per coat

PHYSICAL PROPERTIES

CEM 2K Eco	@ 27 ± 1°C
Pot life	60 minutes
Appearance	Grey colour, Homogeneous, with brushable consistency
Mixed material density	1.65 - 1.70 gram/cc
Bond strength 7 days	> 1.0 N/mm ²
Permeability Test As per DIN - 1048 (part 5) 1991	22mm

STORAGE AND SHELF LIFE

CEM 2K has a shelf life of 12 months if kept in a dry, store between 5°C and 30°C in the original unopened containers. The product should be protected from frost, away from direct sunlight and sources of heat.

PRECAUTIONS

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided, especially where the user has an allergic reaction to epoxide materials. Always wear gloves and eye/face protection is necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL / SPILLAGE

Spillage of any of the component products should be removed with plenty of water. Disposal of such product or empty packaging should be in accordance with local waste disposal authority regulations.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

**India's Most Trusted
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