

Carbolink's Solutions for Waterproofing

CLI Roof Seal



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

India's Most Preferred
Construction Chemical Manufacturing Brand



Carbolink India Pvt. Ltd.

WWW.CARBOLINKINDIA.COM



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 CLI Roof Seal :





CLI – ROOF SEAL

Protective and Waterproof Coating for Roof and Facades

DESCRIPTION

CLI – ROOF SEAL is a one part Silicon blended coating based on water dispersed acrylic resin designed for protection, decoration and waterproofing of facades, with a smooth coloured finish.

USES

As a protective decorative and waterproofing coating for concrete, mortar, brick and stone facades As an interior walls decorative coating in public buildings such as hospitals, schools and museums etc. As a base coat for the subsequent application of the textured top coat - CLI – ROOF SEAL

CHARACTERISTICS / ADVANTAGES

High diffusion resistance against CO₂ reducing the rate of carbonation Water vapour permeable, allowing the substrate to breathe Excellent resistance against weathering and ageing Waterproof against driven rain Environmentally friendly, solvent free product Easy application High alkali resistance Non tacky with reduced tendency to dirt-pick up Good opacity and covering ability.

APPLICATION DETAILS

Consumption

EXTERNAL WALL MEMBRANE APPLICATION

0.6 kg/Sq.Mtr in 2 coats at a total dry fill thickness of 0.3

ROOF MEMBRANE APPLICATION

2 kg/Sq.Mtr in 2 coats at a total dry fill thickness of 1.0

SUBSTRATE PREPARATION

Exposed concrete without old coatings:

The surface must be clean, sound, dry and free from loose or friable particles. Suitable preparation methods are steam, high pressure water jetting or blastcleaning.

Exposed concrete with old coating:

Old coatings must be tested for their adequate adhesion to the substrate – adhesion

test average > 0.8 N/mm²

with no single value below 0.5 N/mm²

If there is inadequate adhesion then:

- Old coatings must be completely removed by suitable methods and the substrate must be sufficiently sound and prepared before coating.

If there is adequate adhesion then:

- Thorough cleaning of all surfaces is required, by steam cleaning or high pressure water jetting.

APPLICATION INSTRUCTIONS

Mixing

For normal usage, CLI – ROOF SEAL is supplied ready for use. Stirr thoroughly prior to application. For use on very absorbent substrates, add up to a maximum of 10% water stir well prior to use.

Application Method / Tools

CLI - ROOF SEAL can be applied by brush, short pile roller or airless spray The second coat should be applied in a cross wise direction to achieve optimum opacity.

TECHNICAL DATA

Chemical Base	Filled acrylate resin dispersion
Density	1.40 kg/l (at +20°C)
Solid Volume	68% by volume
Solid Content	55% by weight
Water Vapour Transmission at 1.0 mm	21.9g/sq mtr/24 hrs
Tensile strength As1145	
After 28 days dry	2.1 MP a

After 14 days UV exposure	3.0 MP a
Elongation at break AS 1145	
After 28 days dry	250%
After 14 days UV exposure	315%
Overcoat time	8 hrs @ 23°C 50% RH
Application temperature	10°C - 35°C (Surface Tem)
Service temperature	0°C - 60°C

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
Construction Chemical Manufacturing Brand**



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