

Carbolink's Solutions for Waterproofing
CLI Rain Guard



**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 CLI Rain Guard :





CLI - RAINGUARD

Protective And Waterproof Coating Coating for Roof and Facades

DESCRIPTION

CLI - RAINGUARD is a one part 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 - RAINGUARD

TYPICAL APPLICATIONS

- As a temporary waterproofing sealer in high exposure areas such as rooftops, While new waterproofing membrane is being installed. When used under sheet membranes, it limits gassing.
- As a slurry coat prior to applying renders or toppings.
- As an admix for sand/cement mixes especially in repair mortars, fillets, covings, renders and screeds.
- As a bonding bridge for new to old concrete.

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 INSTRUCTION

Mixing

For normal usage, CLI - RAINGUARD is supplied ready for use. Stir 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 - RAINGUARD 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.

Cleaning of Tools

Clean all tools and application equipment with water immediately after use. Hardened / cured material can only be removed mechanically.

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	460%
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 - 6° C

DISCLAIMER

The technical details recommendations and other information contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is your responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Standard, our instructions and recommendations are only for the uses they are intended. We also reserve the right to update information without prior notice to you to reflect our ongoing research and development program.

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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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