

Carbolink's Solutions for Waterproofing

# Aqua Tite 4C



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

India's Most Preferred  
Construction Chemical Manufacturing Brand



**Carbolink India Pvt. Ltd.**

[WWW.CARBOLINKINDIA.COM](http://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 Aqua Tite 4C :





# AQUA TITE 4C

## Single Component Waterproofing Slurry

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### FEATURES

- Good abrasion resistance
- The product is self curing in nature, no water is needed
- Rapid & easy application
- Single component system, no addition of liquid component except water at site
- Suitable for external and internal application

### DESCRIPTION

AQUA TITE 4C is a single component polymer modified cementitious waterproofing compound. The mixed slurry greatly improves the bond strength and flexibility with concrete/sand cement screed. The product is self curing and no water is needed.

### FEATURES/BENEFITS

- Can be used as a waterproofing sealer on rooftops etc.
- High strength: ideal for patching as it can be feathered out with minimal cracks, and also for use in coving areas.
- Non-toxic: does not cause occupational Health & Safety concerns.

### TYPICAL APPLICATIONS

- Balconies, terraces and roof waterproofing
- Water tank
- Swimming pool
- Wall and floor in wet areas (toilet, bathroom, kitchen)
- Basement of the buildings
- Foundation - prevent capillary absorption

### SURFACE PREPARATION

The surface to be treated AQUA TITE 4C should be clean, sound, free from oil, grease, laitance etc. New concrete should be allowed to cure for at least 28 days prior to application of AQUA TITE 4C. New brickwork walls, sand/cement render or screeds should be left for at least 7 days before application of the AQUA TITE 4C.

### MIXING

Mix 20 kg of AQUA LITE 4C with 8 kg of water to get brushable consistency.

### APPLICATION

Apply the Slurry compound on the surface using brush / roller

Primer Coat -

Powder : Water

1 : 1

Once the surface is ready and cracks are filled, apply 1 coat of the waterproofing slurry as primer.

1st Coat -

Powder : Water

1 : 0.40

Once the surface is touch dry apply 1st coat of waterproofing slurry.

2nd Coat -

Powder : Water

1 : 0.40

Apply the second coat of waterproofing slurry by brush or roller in opposite direction with respect to the 1st coat.

### COMPLETE DRYING TIME

The surface shall be protected from foot traffic for 48 hours or heavy traffic / water tanks for 7 days.

### LIMITATIONS

- Do not apply AT 107 as a waterproofing sealer if rain is imminent.
- Do not apply if the surface temperature is below 10°C or above 35°C.
- Protect from frost.

## CLEANING

Clean tools with water before the slurry dries.

## TECHNICAL DATA

AQUA TITE 4C	@ 27 ± 1°C
Appearance	Grey powder
Specific Gravity (mixed material)	1.40
pH Value	9
Pot Life	40 minutes
Water absorption by Karsten Tube after 24 hrs, on concrete block	0.1 (ml)
Tensile Adhesion Strength as per EN 1348 on concrete block After 7days + 21d water.	1.51N/mm <sup>2</sup>
Tensile Adhesion Strength on concrete block After 28 days.	1.95N/mm <sup>2</sup>
Crack overbridging After 28 days as per EN 14891	0.75 mm
Water Impermeability After 28 days as per DIN 1048	5 Bar

## COVERAGE ESTIMATES

Pack size	Coverage
20 kg	approximately 14m <sup>2</sup> @ 0.7 mm thickness (WFT).

## STORAGE AND SHELF LIFE

AQUA TITE 4C has a shelf life is approx. 12 months when stored in the original unopened packaging in a dry place at 30°C and 50% relative humidity. Protect liquid from frost, do not allow to freeze.

## PRECAUTIONS

AQUA TITE 4C is non-toxic, however if it comes into contact with the eyes, wash immediately with plenty of water and seek medical treatment. When used with mortar (which is alkaline) skin contact should be avoided. Gloves and protective clothing should be worn.

## 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 Australian Standard, our instructions and recommendations and 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.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations.

The supply of our products and services is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request. You should make yourself familiar with them.

**India's Most Trusted  
Construction Chemical Manufacturing Brand**



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