

Roll-a-crete (N+)

(Two Component Cementitious Waterproof Coating)

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DESCRIPTION

BondChem's **Roll-a-crete (N+)** is a two component chemically engineered, polymer modified, cement based system for waterproofing concrete and masonry. **Roll-a-crete (N+)** is a breathable, light bodied, waterproofing finish that penetrates into the pores and voids of the surface to which it is applied. It has a texture and consistency similar to concrete and is designed to be applied with a roller / brush or by airless spray. It ensures complete protection against water penetration by waterproofing the positive sides as well as against negative pressure, yet it allows walls to breathe. It is safe for use on potable water containment surfaces and is UV resistant.

ADVANTAGES

1. Effectively seals concrete and cement-bound substrate from capillary water, and water under pressure.
2. High resistance to carbon dioxide diffusion.
3. Excellent anti - carbonation protection.
4. Highly Flexible, allows hairline cracks in the substrate to be bridged over.
5. Superior adhesion. Bonds to porous and non porous substrates.
6. Tough surface. Allows pedestrian traffic and can be painted over.
7. Can be applied on 24 - hour old damp concrete.
8. Fluid consistency, easily applied by roller / brush or can be sprayed.
9. Resistant to chloride / sulfate salts, grease, oils, alkalis, etc.
10. Water vapour permeability allows substrate to breathe.
11. Suitable for potable water

APPLICATION

Roll-a-crete (N+) is used to provide a waterproof, chloride and carbon dioxide resistant coating to a wide range of buildings and structural components that are exposed to either periodic or long term wetting. The major areas of application are sealing and waterproofing of terraces, basement walls, water tanks, swimming pools, walls and floors in wet areas such as toilets, bathrooms, kitchens etc. The slurry membranes are easy to use and are non-toxic.

TYPICAL PROPERTIES

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|--|----------------------|
| 1. Carbon dioxide diffusion resistance (0.55 mm thick) : | 410 mtr. |
| 2. Water vapour diffusion resistance (0.55 mm thick) : | 2.9 mtr. |
| 3. Equivalent concrete thickness : | 100 cm. |
| 4. Initial surface absorption : | 98 % Reduction |
| | i. in absorbed water |
| | ii. Against control. |
| 5. Wet density : | 1530 kg. / cbm. |
| 6. Chloride ion diffusion coefficient : | 1.03 x 10 - 7. |

Chemically Engineered Products

Roll-a-crete (N+)

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SURFACE PREPARATION

Surface should be clean, dry and free from oil, grease, curing compound, any loose materials and foreign particles. The substrate should be firm, in case of gaps and cracks, fill with suitable sealant and ensure surface is even.

MIXING

Transfer the liquid component to a mixing container. Add the powder component to the liquid and mix using a slow-speed electric drill (300 RPM) fitted with a mixing paddle until a uniform homogeneous creamy mix is obtained. After mixing, let it stand for 5 minutes. Stir & apply first coat onto the prepared substrate by roller at a rate of 0.600 kg /m² per coat and subsequent coats @ 0.300 kg per coat. Application process is similar to that of epoxy coating. Two to three coats are recommended. Previous coat should be allowed to dry (normally 15 to 20 minutes) prior to succeeding coats.

PACKING : 21 kgs (10 kg Powder + 10 ltr Liquid).

COVERAGE : Each kit of 21 kg will cover an area of up to 20 m² in two coats.

COLOURS : Grey.

CLEANING : Clean all equipment and tools immediately with water after use.

STORAGE : Shelf life 12 months when stored in dry conditions at normal temperature and humidity.

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