



Block C350 Bostik CWP

CRYSTALLINE CAPILLARY WATERPROOFING SYSTEM FOR CEMENTITIOUS SUBSTRATE

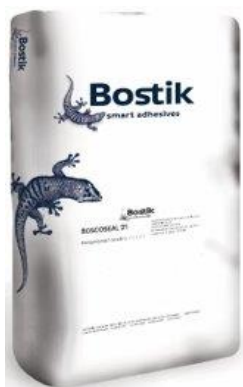
TECHNICAL SHEET 27/01/2023

SMART ADVANTAGES

- Can withstand up to 30m hydrostatic pressure
- Can be applied both internally or externally
- Excellent adhesion
- Non toxic
- Durable, lasts as long as the concrete
- Protects concrete and reinforcement against corrosive water borne substances

DESCRIPTION

Block C350 Bostik CWP is a surface applied, integral crystalline waterproofing material, which waterproofs and protects concrete in depth. It consists of Portland cement, specially treated quartz sand and a compound of active chemicals. Block C350 Bostik CWP needs water only to be mixed prior to the application. When Block C350 Bostik CWP is applied to a concrete surface the active chemicals combine with the free lime and moisture present in the capillary tracts of the concrete to form an insoluble, crystalline structure. These crystals fill the pores and minor shrinkage cracks in the concrete to prevent any further ingress, still allowing the concrete to breathe.



FUNCTIONAL CHARACTERISTICS

Block C350 Bostik CWP can be applied to all structurally sound concrete – new or old. It can be applied to either the positive or negative sides of the concrete face.

- Typical areas of application are:
- Water tanks/ towers
- Reservoirs / dams
- Swimming pools
- Water treatment works Basements / Foundations
- Retaining walls / Bridge decks etc.

COVERAGE

- For water retaining structures and internal concrete wall surfaces, the recommended addition rate for Block C350 Bostik CWP is 1.6 kg/m².
- For construction slab Block C350 Bostik CWP is applied at 1 kg/m² in one slurry coat to hardened concrete or dry sprinkled and trowel applied to fresh concrete when the concrete reached its initial set
- For construction joints and binding concrete 1.5 kg/m² of Block C350 Bostik CWP is applied in slurry or dry powder consistency immediately prior to placing the next lift or overlaying the concrete slab.

TECHNICAL CHARACTERISTICS

Pull off strength (ASTM D 4541-09)	2.9 N/mm ²
Water permeability (EN 12390 Part 8-2019)	8mm
Water vapour transmission (ASTM E96)	Nil
Suitable pH range	3.0 - 11.0

APPLICATION

SUBSTRATE PREPARATION

- All concrete to be treated with Block C350 Bostik CWP must be clean and have an "open" capillary system. Laitance, dirt, grease etc., should be removed by means of high pressure water jetting, wet sand blasting or wire brushing.
- Faulty concrete in the form of cracks, honey combing etc must be cleaned, and then filled with a mortar of Block C350 Bostik CWP. The surface should be pre wet with water before the application of Block C350 Bostik CWP, taking care that the surface is damp and not wet.

MIXING

- The Block C350 Bostik CWP is mechanically mixed with clean water to a creamy consistency. Approximately mix 5 parts of Bostik CWP to 2 parts of water by volume.
- Mix only a small quantity, which can be used in 20 minutes and stir the mix frequently.
- In case if the mixture thickens, stir it vigorously to bring back to consistency and do not add water.

PLACING

- Slurry consistency: Apply Block C350 Bostik CWP in one or two coats according to the specification / requirement by brush. When two coats are specified, apply the second coat while the first coat is still green.
- Dry Powder consistency: (For horizontal surfaces) When the freshly laid concrete has set initially, the required amount of Block C350 Bostik CWP is sprinkled and troweled.
- Post treatment: The treated areas should be kept damp for a period of five days and must be protected against direct sun, wind and frost, by covering with polythene sheets or otherwise.

NOTE

Block C350 Bostik CWP should not be apply at freezing temperatures.

STORAGE & SHELF LIFE

Block C350 Bostik CWP as supplied shall be stored in a cool and dry place away from sunlight, moisture and high humidity and have a shelf life of 12 months in the original packing.

PACKAGING

Block C350 Bostik CWP is packed in 30 kg bags.

HEALTH AND SAFETY

The Block C350 Bostik CWP contains cement and other filler materials which may cause skin irritation. Avoid contact with skin and eyes. In case of contact with eyes, rinse the eye with plenty of water and seek medical advice. Avoid inhaling the dust particles by wearing mask. Wear suitable protective clothing, gloves and goggles while handling.

HEALTH AND SAFETY

After the complement of the waterproof course, pay attention to protect the course and avoid any damage. During the construction and before the acceptance of the project, all the personnel are prohibited to walk above the waterproof course wearing spike. Gloves and protective goggles must be worn during application and use. Avoid contact with skin, eyes and avoid breathing in vapour. Wear protective gloves when using. If poisoning occurs, contact a doctor or Poisons Information Centre.

For more detailed information refer to Safety Data Sheet.

The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for the first use or particular inconvenient of support, site or environment. Consult our safety data sheet for precautions to use.

DISCLAIMER

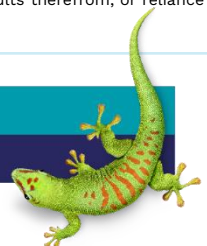
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