



## BOSTIK CWP

### Crystalline capillary waterproofing system for cementitious substrate

#### TECHNICAL DATA SHEET

##### DESCRIPTION

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. Bostik CWP needs water only to be mixed prior to the application. When 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.

##### USE

BOSTIK CWP can be applied to all structurally sound concrete – new or old. It may 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.,

##### ADVANTAGES

Becomes an integral part of the concrete forming a complete body of strength and durability.

Penetrates deeply and seals concrete's capillary tracts and shrinkage cracks.

Can be applied from either positive or negative side

Completely effective against high hydrostatic pressure

Easy to apply, less labour and cost effective

Becomes an integral part of the substrate – cannot be removed easily

Back filling can be done without further protection like placement or steel or wire mesh

Can be used in the pH range of 3 – 11

Can be applied to moist or green concrete

Non toxic. Can be used for potable water applications.

##### APPLICATION INSTRUCTIONS

##### SURFACE PREPARATION:

All concrete to be treated with 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 Bostik CWP . The surface should be pre wet with water before the application of Bostik CWP, taking care that the surface is damp and not wet.

## MIXING:

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.

## APPLICATION:

Slurry consistency: Apply 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, required amount of 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 : Bostik CWP should not be applied at freezing temperatures.

## COVERAGE

Water retaining structures, internal concrete wall surfaces:  
1.6 kg/sq.m applied with a brush / trowel.

Construction slab: Bostik CWP is applied at 1 kg/sq.m in one slurry coat to hardened concrete or dry sprinkled and trowel applied to fresh concrete when this has reached initial set.

Construction joints: Bostik CWP is applied at 1.5 kg/sq.m in slurry or dry powder consistency immediately prior to placing the next lift/bay of concrete.

Binding concrete: Bostik CWP is applied at 1.5 kg/sq.m in slurry or dry powder consistency immediately prior to placing the overlying concrete slab.

**PACKING:** BOSTIK CWP is packed in 30 kg bags.

## STORAGE & SHELF LIFE:

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.

## HEALTH & SAFETY:

Bostik CWP contains cement and other filler materials which may cause sensitization by skin contact. 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.

## WARRANTY

Whilst Bostik India (P) Ltd., strives to ensure that any advice, information or recommendation given are appropriate and correct, it cannot accept any liability directly or indirectly arising out of the products, since the method and place of application of the products are beyond its control. Its guarantee is therefore limited to the quality of materials delivered.

## BOSTIK SMART SUPPORT

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