

## technical data sheet

# BOSCOLASTIC

## Flexible Cementitious Waterproofing Membrane

### PRODUCT DESCRIPTION

Boscolastic is a 2-component flexible acrylic polymer cementitious waterproofing coating that is mixed on site and resurfaced on concrete and other construction materials to waterproof. Boscolastic has excellent weathering resistance and crack bridging property.

### RECOMMENDED USES

- Water Tank
- Bathrooms, Balconies, Terraces.
- Swimming pools and pool decks.
- Water Features and Ponds.
- Planter Boxes, Canopies.
- On external environmental deck.
- In between of under floor toppings.

### FEATURES AND BENEFITS

- Flexible and elastic, can bridge over cracks.
- Accommodates flexible movements in suspended Structures.
- Can be tiled over successfully.
- Bonds well to sound substrates.
- Ability to withstand heavy topping without fracture.
- Applied on damp walls and floors.
- Can be painted over with elastic paint.
- Hard and abrasion resistant.

### PERFORMANCE PROPERTIES

Form	Grey Powder White Milky Liquid
Binder	Cement
Extender	Selected fine silica
Resin	Acrylic polymer
Tensile Strength	> 2 N/mm <sup>2</sup>
Adhesion to concrete	> 1 N/mm <sup>2</sup>
Elongation at Break	> 150%
Crack Bridging	2mm approx.
Hardness Shoe A	> 70
Resistance to water Penetration	No penetration 0.2 kgf/cm N/mm <sup>2</sup> for 6 hours
Toxicity	Passed (Non Toxic)
Pot Life	30 mins to 1 hour
Set to Touch 20°C	Within 2 hours
Final Set 20°C	24 hours

### APPLICATION

#### Surface Preparation

All substrates shall be sound and free from dust, excess mortar, oil or other loose particles.

Cracks or honeycombs shall be repaired using suitable cement mortar.

#### CREATION OF SURFACE CONDITION

Over excessively dry substrate, keep the substrate continuously moist for at least 1 to 2 hours before work begins. Remove all excess water or standing water, allowing the surface to become almost dry to provide an SSD (saturated surface dry) condition before installing the waterproofing system.

#### PRIMING

For over excessively dry and porous substrate, prime the entire surface with Bostik Multiprime prior application of the waterproofing system with the rate of 5m<sup>2</sup> per liter depending of the substrate condition.

#### MIXING

Empty liquid component in a clean mixing container, and slowly add the Powder component whilst stirring using a slow speed (500-600 rpm) heavy-duty electric drill with a suitable paddle. Small amounts may be hand-mixed separately.

Mix until homogeneous slurry is obtained and make sure that no unmixed powder is left at the bottom of the container.

#### PLACING

The mixed Boscolastic can be applied onto the prepared substrate using a bristle brush or block brush.

The application of Boscolastic waterproofing shall be done in a minimum of two (2) coats, the first coat in one direction and the second coat in a direction perpendicular to the first coat. Apply the subsequent coats after 1-2 hours curing of the previous coat.

It is recommended to keep each coat at a wet film thickness of 1mm and no more than 1.5mm.

Allow at least 24 hours curing of the finished coat (subject to touch dry) before laying screed or tiling. Water test can be conducted after the same duration.

#### CURING

The finished Boscolastic waterproofing must be protected from rapid drying. Curing of Boscolastic shall be at least 36 hours before trafficking, to yield optimum strength.

## CLEANING

All tools, equipments and surrounding areas can be cleaned with clean water before the product sets.  
Hardened material has to be mechanically removed.

## PACKAGING

Boscolastic is packed in 35 kg set.

## RECOMMEND COVERAGE

1. Ground moisture 2 - 2.5 kg/m<sup>2</sup>.
2. Hydrostatic Pressure 2 - 3.5 kg/m<sup>2</sup>.

## STORAGE AND SHELF LIFE

Boscolastic has a shelf life at least 12 months.  
Store all materials in a cool dry place, in an elevated condition.

## HEALTH AND SAFETY

Suitable protection clothing, dust masks, gloves and eye protection should be worn. Continual or extended contact with cement products can cause skin irritation. If skin irritation occurs, flush skin with water for a minimum of 15 minutes. If irritation still persist, consult medical advises.

The information and recommendations relating to the application and end-use of the product are given in good faith and based on tests which we believe to be reliable. However, no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship, whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advise offered. No guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with limited warranty only, and on condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will Bostik be liable to anyone except for replacement of the products or refund of the purchase price.

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