



# Block C750 Boscolastic

## ELASTOMERIC CEMENTITIOUS WATERPROOFING MEMBRANE

TECHNICAL SHEET 08/02/2023

### SMART ADVANTAGES

- 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

### DESCRIPTION

Block C750 Boscolastic is a two-component elastomeric acrylic polymer cementitious waterproofing coating that is mixed on site and resurfaced on concrete and other construction materials to waterproof. Block C750 Boscolastic has excellent weathering resistance and crack bridging property.

### FUNCTIONAL CHARACTERISTICS

Block C750 Boscolastic can be used for external and internal waterproofing protection to;

- Water tanks
- Bathrooms
- Balconies, Terraces
- Swimming pools
- Water features and ponds
- Pool decks
- Planter boxes
- Canopies
- On external environmental decks
- In between of under floor toppings
- Salt water Immersion

### COVERAGE

- Bathrooms, Balconies :2kg/m<sup>2</sup>, 2 layers at 1.0kg/m<sup>2</sup>/layer
- Hydrostatic pressure areas, water tanks, swimming pools: 3kg/m<sup>2</sup>, 3 layers at 1.0kg/m<sup>2</sup>/layer

**Note :** For the whole system required, layer or number of coating is only for reference, and subject to substrate condition.



### TECHNICAL CHARACTERISTICS

Typical properties conducted at 23°C and 50% RH

<b>Form</b>	Part A- White Milky Liquid Part B- Grey Powder
<b>Binder</b>	Cement
<b>Extender</b>	Selected Fine Silica
<b>Polymer</b>	Acrylic polymer
<b>Adhesion to concrete (ASTM D7234)</b>	>1.0 N/mm <sup>2</sup>
<b>Tensile strength (ASTM D412)</b>	~1.0 MPa
<b>Elongation at break (ASTM D412)</b>	>150%
<b>Crack bridging (ASTM C836)</b>	No cracks
<b>Hardness shore A (ASTM D2240)</b>	>55
<b>Water penetration (DIN 1048) 0.2kgf/cm<sup>2</sup> for 6 hours</b>	No penetration
<b>Toxicity</b>	Non toxic
<b>Pot Life</b>	30 minutes to 1 hour
<b>Set to touch (at 20°C)</b>	2 hours
<b>Final set (at 20°C)</b>	72 hours

Therefore to achieve accuracy and reliable results, it should follow the consumption usage as per recommendation.

## APPLICATION

### SURFACE PREPARATION

- All substrates shall be sound, clean and free of dust, excess mortar, oil or other loose particles. Cracks, honeycombs and other defects must be repaired using suitable cement mortar.
- For excessively dry substrate, dampen the substrate and keep it continuously moist for 1 to 2 hours before application. Remove all excess water or standing water and allow the surface to become almost dry to provide an SSD (Saturated Surface Dry) condition before applying the waterproofing coating.

### PRIMING

For excessively dry and porous substrate, prime the entire surface with Mix X530 Hydroment 425 prior application of the waterproofing coating with the rate of 5m<sup>2</sup> per liter depending of the substrate condition.

### MIXING

Put the liquid component in a clean mixing container, and slowly add the powder component whilst stirring using a slow speed (500 - 600 r.p.m.) heavy-duty electric drill with a suitable paddle. Mix until homogeneous slurry is obtained and make sure that no unmixed powder is left at the bottom of the container. Small amount may be hand-mixed separately.

### PLACING

The mixed Block C750 Boscolastic can be applied onto the prepared substrate using a bristle brush or block brush. Place the material well onto the substrate to achieve full bond. The application of Block C750 Boscolastic waterproofing coating shall be done in minimum of two (2) layers, the first layer in one direction and the second layer in a direction perpendicular to the first layer. Apply the subsequent layers after 3-6 hours curing of the previous coat.

### CURING

The finished Block C750 Boscolastic must be protected from rapid drying. Curing shall be at least 36 hours before trafficking, to yield optimum strength.

## CLEANING

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

### DISCLAIMER

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## PACKAGING

Block C750 Boscolastic is available in two packing.

### 35 kgs/set:

Part A: White liquid, 15 kg  
Part B: Grey powder, 20 kg

### 43 kgs/set:

Part A: White liquid, 18 kg  
Part B: Grey powder, 25 kg

## STORAGE & SHELF LIFE

Block C750 Boscolastic has a shelf life of 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.

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.



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Environmentally preferred coating

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