

Two component highly flexible waterproofing coating and bond coat

## PRODUCT DESCRIPTION

Boscolastic is a 2-component flexible acrylic polymer cementitious waterproofing bond coat 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

- Concrete Water Tanks (SS 375).
- Bathrooms, Balconies, Terraces.
- Swimming pools and pool decks.
- Water Features and Ponds.
- Planter Boxes, Canopies.
- On external environmental deck.
- As a bond coat before screeding and plantering.

## FEATURES AND BENEFITS

- Flexible and elastic, can bridge over cracks.
- Accommodates flexible movements in suspended structures.
- Can be tiled over successfully.
- Ability to withstand heavy topping without fracture.
- Applied on damp walls and floors.
- Can be painted over with elastic paint.

## PERFORMANCE PROPERTIES

Form	Grey Power White Milky Liquid
Binder	Cement
Extender	Selected fine silica
Resin	Acrylic Polymer
Adhesion to concrete	>0.60 N/mm <sup>2</sup>
Tensile strength - ASTM D412-92	>2 N/mm <sup>2</sup>
Elongation at Break ASTM D412-92	>250%
Crack Bridging	>2mm
Hardness Shore A	>70
Resistance to Water Penetration DIN 1048:Part 5	No penetration @ 0.2 kgf/cm <sup>2</sup> for 6 hours
Water Vapour Transmission ASTM E-96-00	12g/m <sup>2</sup> /day
Pot Life 20°C (mixed)	45 mins to 1 hour
Set To Touch 20°C	Within 2 hours
Final Set 20°C	4 - 6 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.

### Dampen

All concrete and cement substrates shall be saturated with clean water before applying Boscolastic waterproof coating. No freestanding water is present during application.

### 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. Minimal amount of water may be added to ease application only when necessary. 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 and bond coat can be done in one or two coats depending on the manufacturer's specification. When more than one coat is necessary to achieve the desired thickness, 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 18 hours curing of the finished coat (subject to touch dry) before laying screed or tiling. Water test can be conducted after the same duration.



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# Boscolastic

## Two component flexible waterproofing coating

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### Curing

The finished Boscolastic waterproofing must be protected from rapid drying. Curing of Boscolastic shall be at least 24 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.

### COVERAGE

Approx. 17m<sup>2</sup>/35 kg set at 2 coats coverage, subjected to substrate condition and wastages.

### STORAGE AND SHELF LIFE

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

### PRECAUTION

- Never apply more than 4 kg/m<sup>2</sup> of Boscolastic in one single layer.
- Never apply onto substrates with bitumen and polyurethane coating finishes.
- Apply only to clean, sound substrates - surfaces should be well dampened but free of surface water and leaks.
- Boscolastic is not a decorative treatment. This does not affect the quality of the coating in any way. Where a decorative finish is required, overpaint Boscolastic with any approved protective and decorative coatings.
- Never exposed finished Boscolastic under direct sunlight.

### 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 persists, consult medical advises.