



# Block C550 Boscoflex

## FLEXIBLE CEMENTITIOUS WATERPROOFING MEMBRANE

TECHNICAL SHEET 08/02/2023

### SMART ADVANTAGES

- Flexible and accommodate movements
- Good adhesion to sound substrates
- Applicable to damp substrate
- Abrasion Resistant
- Paintable with elastic paint
- Can be tiled over
- Non-toxic

### DESCRIPTION

Block C550 Boscoflex is a two-component polymer modified liquid applied flexible cementitious waterproof coating. The two components are simply mixed together to create a workable consistency for easy application. It has superior adhesion to many substrates, including concrete and cement render.

### FUNCTIONAL CHARACTERISTICS

- Water tank, Waste water treatment plants
- Bathrooms, Balconies, Terraces
- Swimming Pools, Pool Decks
- Water-features, Ponds
- Retaining Walls, Planter Boxes, R.C. Gutters
- Outdoor decking

### COVERAGE

- Ground moisture, 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 1.0 kg/m<sup>2</sup>/layer.

Note :

Do not apply more than 2kg/m<sup>2</sup> of Block C550 Boscoflex in a single layer.

For the whole system required, layer or number of coating is only for reference, and subject to substrate condition. Therefore to achieve accuracy and reliable results, it should follow the consumption usage as per recommendation.



### 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>	>1.5 N/mm <sup>2</sup>
<b>Tensile strength (ASTM D412)</b>	> 2.0 MPa
<b>Elongation at break (ASTM D412)</b>	>150%
<b>Crack bridging (ASTM C836)</b>	No cracks
<b>Hardness shore A (ASTM D2240)</b>	>70
<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
<b>Set to touch (at 20°C)</b>	Within 2 hours
<b>Final set (at 20°C)</b>	72 hours

## APPLICATION

### SUBSTRATE 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

- Mixing ratio of 2 part powder to 1 part of liquid by weight.
- Mix in a clean container by slowly adding the powder component to the liquid component whilst stirring using a slow speed heavy-duty electric mixer 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 amounts may be hand-mixed separately.

### PLACING

- The mixed Block C550 Boscoflex can be applied onto the prepared substrate using a bristle brush or roller. Place the material well onto the substrate to achieve full bond.
- The application of Block C550 Boscoflex 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 coat. Apply the subsequent layers after 3-6 hours curing of the previous coat.
- Minimum 2 layers at approximately 1.0kg/m<sup>2</sup> per layer. For areas subject to high water infiltration, apply a third layer at 1.0kg/m<sup>2</sup>.
- Allow at least 24 hours curing of the finished coat (subject to 23°C and 50% relative humidity) before laying screed or tilling. Water test can be conducted after the same duration.

### CURING

Special curing methods are generally not required but some precautions should be taken from rapid drying for application directly under sunlight and windy conditions. Curing of Block C550 Boscoflex 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

Block C550 Boscoflex is packed in 30 kgs set.  
Part A : White liquid, 10 kgs.  
Part B : Grey powder, 20 kgs.

## STORAGE & SHELF LIFE

Store all materials in a cool dry place, in an elevated condition. Block C550 Boscoflex has a shelf life of 12 months from date of manufacturing if store properly in original unopened packaging.

## 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.



**032-091-0799**

Environmentally preferred coating

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