



Block A750 Boscoseal AC2

ONE PART FIBRE REINFORCED WATERPROOFING MEMBRANE

TECHNICAL SHEET 02/02/2023

SMART ADVANTAGES

- Excellent rolling and brushing ability
- Environmentally friendly
- Fibre reinforced, does not require the use of additional reinforcing matting
- Water based for easy application and clean up
- Flexible and excellent UV resistance
- Foot trafficable

DESCRIPTION

Block A750 Boscoseal AC2 is a one-part water based acrylic polymer fibre reinforced waterproofing membrane. It is specially formulated for commercial and residential, external waterproofing applications. It offers excellent rolling ability and easy application by brush or roller. The fibre-reinforced composition of Block A750 Boscoseal AC2 combines a matrix binder within the membrane structure to provide extra strength and form high build dry film thickness. Block A750 Boscoseal AC2 does not require the use of additional reinforcing matting.

FUNCTIONAL CHARACTERISTICS

- Block A750 Boscoseal AC2 is well position for exposed RC roof slab, car porch roof, balcony and external wall areas subject to weather and UV exposure
- Suitable for waterproofing a broad range of substrate including concrete, cement render, brickwork, particleboard, plywood, plasterboard, gyprock, composition board and fibre cement sheeting

COVERAGE

0.5kg/m² X 3 coats (total 1.5kg/m²)

Note: 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

Colour	White, Grey
Tensile strength (ASTM D412)	≥2.0 MPa
Elongation (ASTM D412)	≥470
Recoat time	2-3 hours (external)
Cure before tiling	3 days (minimum)
Full cure	7 days
Application temperature	10°C to 35°C
Flammability	Non-flammable

APPLICATION

SUBSTRATE PREPARATION

- Before the application of Block A750 Boscoseal AC2, all surfaces must be clean, dry and structurally sound. The substrate must be free of voids, curing compound, sharp objects, laitance and loose materials.
- New concrete must be cured for 28 days, while mortar beds and cement render must be cured for 7 days.

- Do not apply over concrete slab containing high moisture content.
- Holes and non-structural cracks over 5mm and other particularly rough surfaces must be repaired using suitable repair mortar.
- Very 'boney' or porous concrete must be primed or moisture sealed prior to any application.
- All cement sheet joints and movement joints designed in base substrates where primer or Block A750 Boscoseal AC2 membranes will be in direct contact, must be sealed with Bostik Seal N Flex PU construction/ Seal N Flex One Plus P590/ Seal N Flex premium P795 sealants prior to application. Sealants must not be applied in or to moist or damp surfaces.
- Fibrous cement sheeting and plasterboard must be installed accordance with manufacturer's directions.

PRIMING

- All substrates must be primed. Prime substrate with Mix X530 Hydroment 425 at the rate of 5-8m²/L depend on substrate condition, prior to Block A750 Boscoseal AC2 application.
- Porous surface consult Bostik Technical for advice.
- All designated primer must be applied in accordance with the current applicable primer technical data sheet.
- For pre-treated and suspect surfaces, contact Bostik technical service for consultation.

MIXING

Stir product to an even smooth consistency before use.

PLACING

Block A750 Boscoseal AC2 must not be applied to a moist substrate. Applications to these surfaces can result in adhesion failure and surface bubbling of the membrane. In order to apply on the **moist surface**, the substrate must first be coated with Bostik Moisture Seal epoxy vapour barrier which will act as a curing compound and moisture transmission barrier. Bostik Moisture Seal must be applied in a two-coat system as per Technical Data Sheet. Block A750 Boscoseal AC2 must be applied immediately after the second coat 'tack off'. If Block A750 Boscoseal AC2 cannot be applied within 24 hours of the second coat of Moisture seal curing, third coat must be applied.

For **cracks and joints** up to 5mm, apply a bead of Bostik Seal N Flex PU construction/ Seal N Flex One Plus P590/ Seal N Flex premium P795 sealants into the crack and extending 5mm either side. Tool smooth with spatula. Once the silicon is tack free, prime the repaired area with Mix X530 Hydroment 425 to a width of 150mm each side of repair. Allow the primer to dry approximately 30 minutes. Apply three coats of Block A750 Boscoseal AC2 over the primed area.

Cracks over 5mm must be repaired and designed with movement joints sealed as detailed in substrate preparation section.

In **wet area floor and external decks application**, the primer must be dry prior to Block A750 Boscoseal AC2 application. If the wet area floor, balcony or deck areas to be coated are subject to service or other building penetrations, it is recommended to install a flange metal up stand around the penetration. Prime metal up stand with Mix X530 Hydroment 425 primer and seal off the perimeter of the penetration with a 10mm bead of Bostik Seal N Flex PU construction/ Seal N Flex One Plus P590/ Seal N Flex premium P795 sealants.

Apply Block A750 Boscoseal AC2 into wastes, drains or onto puddle flanges. Block A750 Boscoseal AC2 must be dressed down into the waste at least 50mm. Apply an initial coat of Block A750 Boscoseal AC2 either side of all wall/floor junctions and sheet flooring joints. Extend the coating at least 100mm either side of the joints. Once the initial coating is dry, recoat

the entire floor area to be waterproofed, including over the initial coating.

In the **roof application**, Block A750 Boscoseal AC2 is recommended as a waterproof membrane for non-traffic areas. Application method is the same as for wet area floors/decks. These areas of application should not be accessed until membrane has fully cured.

The application of **tiling and mortar bed** covering is to eliminate possible surface contamination or damage. The finished floor installation should be carried out as soon as possible after full cure of the membrane. The installation may be carried out after the Block A750 Boscoseal AC2 has been allowed to cure for a minimum of 3 days at temperature of 25°C (slightly longer in lower temperatures).

Movement joints provided in tiling should be filled with either Seal N Flex PU construction/ Seal N Flex One Plus P590/ Seal N Flex premium P795 sealant or Bostik neutral cure anti-fungal silicone sealant. Recommended to use Bostik tile adhesive such as Ultra Mastik, Excelflex or Fixall mixed with Mix X530 Hydroment 425 and/or equal maybe used. Tile adhesive used shall be recommended and applied in strict compliance with manufacturer's instructions.

CURING

The Block A750 Boscoseal AC2 is allowed to be cured for a minimum of 3 days at temperature of 25°C before tiling.

PRECAUTION

- Ponding test should be carried out after full curing (7 days).
- Do not apply where surface temperature is <10°C or >35°C
- Block A750 Boscoseal AC2 is neither a vapour barrier nor designed to stop hydrostatic head of water pressure. For this application, Bostik Moisture Seal should be used.
- Do not apply on wet, contaminated or friable substrate
- Do not apply externally if raining or rain is imminent
- Do not apply to surface with protective coatings without prior consultation with Bostik
- The rate of cure will be dramatically reduced when air or substrate temperature below 10°C or if apply over a vapour barrier or untreated concrete
- The application rate of Block A750 Boscoseal AC2 should not be extended over the recommended coverage of 1kg/m² or under 0.8mm wet film thickness in one application
- Do not dilute with water or extend with cementitious powders or other additives
- Block A750 Boscoseal AC2 requires atmospheric conditions to cure. It should not be used in totally confined or air free spaces
- Block A750 Boscoseal AC2 should not be used as wearing surfaces for heavy foot traffic or vehicle traffic
- Do not apply over treated pipe
- Totally impervious substrate such as epoxies and rigid fibreglass require priming
- Do not apply Block A750 Boscoseal AC2 at RC tanking structure areas, eg: water tank, swimming pool, water features pond, planter box and etc.
- Block A750 Boscoseal AC2 will not span gaps and should only be applied to continuous surfaces
- Any intention use of Block A750 Boscoseal AC2 out of specified uses, should refer to Bostik technical services for approval

CLEANING

All brushes, rollers, trays, buckets and surrounding shall be clean with water before the product sets.

STORAGE

Store all materials undercover, in cool, dry and in an elevated condition. The Block A750 Boscoseal AC2 has a shelf life of 12 months in its original unopened container if stored between 5°C and 35°C. Do not freeze.

PACKAGING

Block A750 Boscoseal AC2 comes in 5kg and 20kg plastic pail container.

HEALTH AND SAFETY

Block A750 Boscoseal AC2 is non-toxic. For personal precautions, protective gloves should be worn when handling the product.

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

DISCLAIMER

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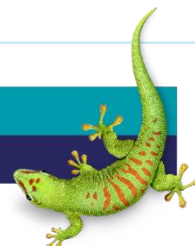
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