



AquaBlocker

Product

AquaBlocker is a universal, low emission, low viscosity and highly elastic sealant that can be used against penetrating moisture in soils and pressing water. Very suitable as a water proofing layer on vertical and horizontal surfaces such as basement walls, concrete foundations, concrete roofs and sealing at corner-floor wall connections. AquaBlocker is also suitable for the repair of leaking gutters, roof domes and eaves and as a water proofing membrane under, for example, concrete paving tiles on roofs. AquaBlocker is free of isocyanates, solvents, silicones and bitumen. Complies with the requirements of DIN 18195, Table 9 bitumen coatings (resistance to oppressive and still water at basement walls).

Applications

- Sealing of (underground) concrete foundations, basement walls and masonry.
- Repairs to roofs around chimneys, roof domes, eaves and gutter sealing.
- Vapour control layer below screed floors, sealing (with glass fibre reinforcement) of corners, connections between floor and wall joints.
- Waterproof layer of concrete roof tiles, wooden terrace ramps and concrete terrace tiles.
- Repair of old sanded or mineral coated bituminous roof felts.

Features

- Free of isocyanate, silicone, bitumen and solvents.
- Low odour emission.
- Quick and easy application using velvet roller, brush or spatula.
- Fast curing to a highly elastic sealing layer.
- Ready to use and low consumption 2-3 kg/m².
- Up to 10 mm crack bridging.
- Resistant to influences of natural groundwater.
- Not suitable for PP, PE, PC and PMMA.
- Not suitable for nature stone.
- Good UV-, weather and aging resistance.
- Adhesion to damp surfaces.
- Durable, no brittleness like bitumen.

Adhesion

The substrate should be sufficiently solid and free from loose materials, dust and grease. Remove any water/water film. The best adhesion is obtained on a dry surface, however the surface does not have to be completely dry. AquaBlocker bonds well to virtually all common construction materials without the use of a primer and offers good adhesion to concrete, stone, masonry, polystyrene foam, wood, steel, glass, aluminum, sanded roofing and polyester. On bitumen, discoloration may occur. This discoloration does not influence the technical properties of AquaBlocker in any way. NOT to be applied to new and naked bitumen and not on fresh concrete. Not suitable for application in (fish) ponds and drinking water reservoirs. For other substrates and applications please consult Bostik B.V.



AquaBlocker

Method of use

Environmental temperature from +5°C to +35°C. Product temperature between +15°C and +25°C. AquaBlocker is ready to use and does not have to be stirred. AquaBlocker is applied in two layers.

Application from buckets: Cut open the inner packaging. Pour AquaBlocker into the bucket, and dispose of the inner packaging. With a short-haired velvet roller, spatula or brush, the first layer of the product can be applied directly from the bucket. After 4 hours (at 20°C) the second layer can be applied. AquaBlocker is capable of carrying full load after 24 hours (at 23°C/55% RH). Outside basement walls can be filled off with sand or soil within 24 hours. In inner corners, where an extremely high load is expected, glass fibre reinforcement sheeting should be applied in the first layer of AquaBlocker. After 4 hours the second layer can be applied. The consumption of AquaBlocker (2 layers of about 1.5 mm) is 2-3 kg per m².

If AquaBlocker is used as a fixation/anti-slip membrane, such as on concrete paving tiles on concrete roofs, a thinner layer (0.4 kg m²) is sufficient. When AquaBlocker is used as a vapour control membrane layer under screed floors, under tiles and finishing layers of balconies, terraces and industrial floors, the second layer of AquaBlocker should be sanded with quartz sand (grain size 0.1 - 0.5; about 2 kg m²). Remove excess sand after 24 hours with a soft brush after which the floor can be finished.

Application from cartridges: AquaBlocker can also be applied from cartridges, especially for the sealing of seams and repairing cracks. Cut the threads above the cartridge dome with the help of a nozzle cutter or a sharp knife. Screw the nozzle onto the thread and cut off the nozzle to the desired size. Extrude the AquaBlocker, with the help of a hand or pneumatic mastic gun into the joint, avoiding air inclusions. For movement joints, the joint depth is approximately $\frac{2}{3}$ of the joint width. Apply backing foam in deep joints. Tool off the sealant with a rounded spatula and a light (neutral) soap solution. Care should be taken to prevent the soap water entering the joint (in order to prevent loss of adhesion).

Cleaning

Fresh uncured sealant remains can be removed with a clean, colour-free tissue soaked with thinner or MEK. Cured material can only be removed mechanically.

Technical Data

| | |
|-------------------------------------|--|
| Basic material | SMP (Silyl Modified Polymer) |
| Number of components | 1 |
| Specific weight | approx. 1.5 g/ml |
| Consistency | low viscosity, can be applied with a roller or brush |
| Consumption | totally 2-3 kg/m ² when applied in two layers |
| Application temperature | +5°C to +35°C |
| Product temperature | between +15°C and +25°C |
| Temperature resistance | -40°C to +90°C |
| Curing speed | 24 hours at 23°C/55%RH |
| Shore A | approx. 30 after 4 weeks at 23°C/55%RV (DIN 53505) |
| Crack bridging | to max. 5 mm at a min. layer thickness of 1.5 mm |
| Meets the requirements according to | DIN 18195 Table 9, thick bitumen coatings (tested at MPA, Dresden Nr. 2005-4-247-1 EN) |

Storage stability

AquaBlocker can be stored in closed (unopened) packaging in a cool, dry and frost-free place at temperatures between +5°C and +30°C. Can be stored for 12 months after production date. See code (B)est (B)efore MMY. Opened packaging has a limited shelf life. Higher storage temperatures can cause curing of the product in the packaging.

Further information

The following publication is available on request:

- Material Safety Data Sheets (MSDS)

Bostik B.V.

Postbus 303
5201 AH 's-Hertogenbosch
Tel: +31 (0)73 6 244 244
Fax: +31 (0)73 6 244 344
E-mail: infonl@bostik.com
Internet: www.bostik.nl

Bostik Belux SA-NV

Meulestedekaai 86
B-9000 Gent
Tel: +32 (0)9 255 17 00
Fax: +32 (0)9 255 17 01
E-mail: info@bostik.be
Internet: www.bostik.be