

BLOCK H777 AQUA BLOCKER

Multi-purpose waterproofing membrane

WATERPROOFING SOLUTIONS

- Multi-purpose: roofs, walls, kitchens, bathrooms
- Can be applied on damp substrates
- Solvent and bitumen free
- SMP technology
- Horizontal and vertical surfaces
- Interior and exterior use.



DESCRIPTION

BLOCK H777 AQUA BLOCKER is highly elastic and combines the reliable crack-bridging and waterproofing performance with an ease of application.

AREAS OF APPLICATION

Highly flexible, MS Polymer, based construction industry sealant for application by roller that provides long-lasting protection for:

- Below-ground building structures
- Basements
- Buildings without basements
- Foundations, floor elements, connections, pipe channels, etc.
- Against damp and ground water under hydrostatic pressure.

Can also be used to fasten protective, drainage and insulating sheets.

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TECHNICAL DATA

Color	Grey
Composition	Highly flexible, MS Polymer
Drying Time	1 st coat: 4- 5 hrs 2 nd coat: 5-6 hrs
Application Temperature	+5°C to +30°C.
Cleaning	Once dry, scrape off any residue using a trowel or similar tool.
Consumption	1.15 kg of product per m ² will be required for each layer
Shelf life	24 Months in its original packaging

PREPARATION OF THE SUBSTRATE

The mineral substrate must be :

- Solid
- Stable
- Plane
- Without any lumps of gravel
- Without cavities
- Without gaping cracks
- Without burrs.

The surfaces to be coated must be free from any residues of oil, formwork oil, grease, dust, sintered layers or other separation layers.

Joints in masonry surfaces must be solidly filled, edges and fillets (leg length at least 4 cm long) must be rounded.

Irregular masonry surfaces with numerous exposed parts and cavities, as well as chip-offs;

1. Create the coves in the wall/bottom area at least 24 hours before the beginning of the sealing works using the polymer-enriched mortar for coves and repairs **BLOCK C583 TERRA LOCK**.
2. Against groundwater under negative pressure, apply a two-layer surface sealing continuously from the front edge of the concrete base up to a height of 30 cm on the enclosing walls using the watertight **BLOCK X701 TERRA 2K FLEX**. **BLOCK H777 AQUA BLOCKER** liquid can be applied directly on slightly damp substrates without needing a primer.
3. Avoid standing water.
4. Irregular brickwork with protrusions and depressions should be levelled prior to application using Trass cement and natural stone mortar. Depressions in the wall and wall footing areas should be repaired at least 24 hours before applying the sealant using polymer-enriched **BLOCK C583 TERRA LOCK** (barrier mortar for depressions and repairs).

APPLICATION

BLOCK H777 AQUA BLOCKER is ready-for-use and can be used directly from the packaging.

BLOCK H777 AQUA BLOCKER should be applied in two even, continuous coats using a short-fiber velour roller. Typically, 1.15 kg of product per m² will be required for each layer.

APPLICATION (CONT'D)

The first layer must be allowed to dry adequately (approx. 4 hours at 20° C), before the next layer is applied. **BLOCK H777 AQUA BLOCKER** must be applied in 2 coats. The ambient temperature and the temperature of the substrate should lie between a minimum of +5° C and a maximum of +30° C.

1. Apply the BOSTIK reinforcement fabric in the first layer in areas with a high risk of cracking (wall corners, joints between walls and floors, pipe channels, etc.) and in areas where a good seal is required against ground water under hydrostatic pressure.
2. When creating a negative seal against groundwater under hydrostatic pressure, two continuous coats of waterproof, 2-component **BLOCK X701 TERRA 2K FLEX** grey sealing slurry should be applied to the front face of the concrete footing up to a height of approx. 30 cm on the exterior walls. **BLOCK H777 AQUA BLOCKER** can be applied directly to damp substrates without the need for a primer.

BLOCK H777 AQUA BLOCKER should not be used to seal parting lines and expansion joints. The joints must be dimensioned and constructed in accordance with the instructions provided.

REPAIRS OF SMALL AREAS

For instance, small-surface repairs refer to small roofs of garden sheds, max. 1 mm wide cracks, as well as partial damages of the existing roof seals and the applications mentioned before.

The substrate must be rigid, capable of bearing loads and free from other separating layers.

After cleaning the substrates usually existing in the roof area, e.g., old rigidly laying sanded bituminized sheets/ bituminized sheets covered with slate chippings, aged PVC-sheets, concrete, and wood, can be repaired with **BLOCK H777 AQUA BLOCKER**.

To check the adhesive power on PIB-/EPDM sheets we recommend to perform tests yourself. Remove old loosely laying sheets completely. Keep a minimum layer thickness of 2 mm after applying the **BLOCK H777 AQUA BLOCKER** twice. Humid substrates (also due to humidity which penetrates behind) can cause bubbles.

SURFACE RESTORATION- CONCRETE

SUBSTRATES:

We recommend to fill the pores of dry concrete with **BOSTIK HYTEC P510 RENO RAPID PU** as priming coat.

The mineral substrate must be solid, capable of stable and dry, without any lumps of gravel, cavities, gaping cracks or burrs. The surfaces to be coated must be free from any residues of oil, formwork oil, grease, dust, sintered layers or other separating layers.

The primer must be completely dry (about 4-6 hours at 20°C/50% relative air humidity) before **BLOCK H777 AQUA BLOCKER** / Aqua Blocker liquid can be applied.

After priming , apply the first coat of **BLOCK H777 AQUA BLOCKER** within 24 hours. When the first coat can be walked on, the second coat will be applied.

Keep a minimum layer thickness of 2 mm. If the surfaces are larger than 25 m², embed the reinforcement fabric over the whole surface into the first layer including the upturn edges and connections. Keep a minimum layer thickness of 2.5 mm (incl. fabric).

SURFACE RESTORATION OF OLD SUBSTRATES:

The substrate has to be rigid, stable and free from separating layers.

After cleaning, the following substrates usually existing in the roof area, e.g., old rigidly laying bituminized sheets which are sanded or with slate chips, and aged PVC-sheets can be repaired with **BLOCK H777 AQUA BLOCKER**.

We recommend to apply **BOSTIK HYTEC P510 RENO RAPID PU** primer on the dry substrate. The primer must be cured (about 4-6 hours at 20°C/50% relative air humidity) before **BLOCK H777 AQUA BLOCKER** /liquid can be applied.

After priming, the first layer of **BLOCK H777 AQUA BLOCKER** must be applied within 24 hours.

Embed the reinforcement fabric over the whole surface in the first layer including the upturn edges and connections.

After the first coat can be walked on, the second coat will be applied. Keep a minimum layer thickness of 2.5 mm (incl. the fabric). Using this structure, 4 mm wide cracks can be bridged.

For repairing of sanded bituminized sheets, it will be necessary to apply another thin layer of **BLOCK H777 AQUA BLOCKER**. This layer must completely be covered with slate chips

RECONSTRUCTION OF GARAGES/CAR PORTS:

Suitable substrates are OSB plates, tongued and grooved rough boarding and sanded bituminized sheets /bituminized sheets covered with slate chips.

The substrate must be rigid, capable of bearing loads and free from other separating layers. We recommend to apply **BOSTIK HYTEC P510 RENO RAPID PU** on the dry substrate.

The primer must be completely dry (about 4-6 hours at 20°C/50% relative air humidity) before **BLOCK H777 AQUA BLOCKER** can be applied. After priming , the first layer of **BLOCK H777 AQUA BLOCKER** liquid must be applied within 24 hours. When the first coat can be walked on, the second coat will be applied.

The overlapping areas of sanded bituminized sheets/bituminized sheets covered with slate chippings should be primed to keep the minimal layer thickness of 2 mm. In case of OSB plates and tongued and grooved rough boarding, embed the reinforcement fabric into the first layer over the whole surface including the upturn edges and connections.

Keep a minimum layer thickness of 2.5 mm (incl. fabric). For repairing of sanded bituminized sheets, it will be necessary to apply another thin layer of **BLOCK H777 AQUA BLOCKER**. This layer must completely be covered with slate chips.

SUBSEQUENT WORK

BLOCK H777 AQUA BLOCKER must be allowed to dry completely (approx. 24 hours at +20° C) before any subsequent work takes place. When the seal has reached its full load-bearing capacity, it must be protected in accordance with DIN 18 195 using suitable protective, drainage or insulating sheets. When doing so, single-point and linear load concentrations should be avoided. The sheets can be attached using Aqua Blocker.

NOTES (BITUMINOUS SUBSTRATES)

Bituminous substrates can change the color of the **BLOCK H777 AQUA BLOCKER®**.

This discoloration is not a technical defect. Humid substrates can cause bubbles within the roof area. If the minimum thickness of the layer is not kept, cracks and structural failures can occur.

Pay attention to migration, plasticizers, negative interactions, premigration between the sealed substrates and the **BLOCK H777 AQUA BLOCKER®**. Only walk on roof surfaces restored with **H777 AQUA BLOCKER®** for maintenance purposes.

In accordance with DIN 18195, when applied at a weight of approx. 2.3 kg/m², aqua blocker achieves crack-bridging performance of > 5 mm with a cured coating thickness of 1.5 mm.

BLOCK H777 AQUA BLOCKER, does not require a primer coat and even adheres extremely well to damp surfaces. Two coats should be applied using a short-fiber velour roller.

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PACKAGING

CODE	UC	PCB	GENCO D
30621372	4008373136674	290ml	1152 PC
30621587	4008373135462	1kg	300 PC
30621532	4008373135448	6kg	64 PC
30621589	4008373135509	14kg	30 PC

STORAGE/SHELF LIFE

Store in a cool, dry place. Do not expose to frost. Storage life of approx. 6 months in the original packing.

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SAFETY

For more details, consult the safety data sheet on :

<https://bostiksdsthewerccs.com/default.aspx>

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This data sheet supersedes all previous issues

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