

AQUAZIP BLOCK

DATA SHEET

Ultra-fast setting hydraulic binder to stop water infiltration



Interior/Exterior



Interior/exterior flooring



Sack



By hand

Composition

AQUAZIP BLOCK is a water-setting mixture made from very high strength cement, graded aggregate and specific additives to ensure quick setting, chloride-free.

Supply

- Approx. 5 kg bags in plastic can

Use

AQUAZIP BLOCK is used to stop the infiltration of water, even under pressure, in concrete and masonry work in the underground parts of buildings (basements, cellars, retaining walls, garages, piping, wells, etc.), to seal rigid joints between floor slabs and walls, to seal cracks and holes.

Substrate preparation

- **Sealing water ingress and infiltration:** open a cavity that is wider towards the inside around the point of application. The outside width and depth must be at least 2 cm. The surface must be clean (free of dust, dirt, etc.) and free of parts that are damaged or coming loose.
- **Sealing rigid joints:** the surface must be clean (free of dust, dirt, etc.) and free of parts that are damaged or coming loose. The substrate must be roughened and moistened with water until saturation.

Mixing

AQUAZIP BLOCK is mixed by hand with around 25% of clean water, until obtaining a plastic mixture. Specifically, once the mixture has been prepared, wait a few seconds until the material starts heating up, and then apply it immediately where required. As the material is only workable for a short time, it is suggested to mix only small amounts at a time, depending on conditions on site at the moment of application.

AQUAZIP BLOCK can also be mixed with AG15, diluted 1-to-3 in water to increase its properties of adhesion and elasticity. In this case, mechanical strength will not be as high.

The mixture is applied in different ways, depending on the specific use:

- **Sealing water ingress and infiltration:** apply the mixture into the crack or hole and press down hard until the product has set completely.
- **Sealing rigid joints:** apply the mixture to the joint using a trowel or spatula and moisten the surfaces for at least 15 minutes.

Subsequent waterproofing of the surface being treated can be performed using AQUAZIP FLOOR & WALL or AQUAZIP MO660 waterproofing mortar just half an hour later.

Warnings

- Product for professional use.
- Always consult the safety data sheet before use.
- Do not use AQUAZIP BLOCK for anchoring machinery and load-bearing structures.
- Do not try to regain workability by adding water once hardening has started.
- Use all the content of the bag once this has been opened.
- In the event of high temperatures, it is recommended to avoid exposing the material to sunlight or sources of heat; mix using cold water.

AQUAZIP BLOCK must only be used in its original state without the addition of other materials, except for AG 15, when required.

Storage

Keep dry in the closed can for no longer than 12 months. Once the product has expired, it must be disposed of in accordance with current legislation.

Quality

AQUAZIP BLOCK is subjected to accurate and constant checks in our laboratories. The raw materials used are rigorously selected and controlled.

Technical Data

Appearance	Grey powder
Specific gravity of the powder	approx. 1,200 kg/m ³
Maximum dimension of the aggregate	< 0.85 mm
Mixing water	approx. 25%
Specific weight of the wet mortar	approx. 2,100 kg/m ³
Consistency	thixotropic
Application temperature	from +5°C to +30°C
Workability time	1 minute at +20°C
Setting time at +20°C	2-3 minutes
Minimum waiting time for application of surface waterproofing mortar	at least 30 minutes
Chlorides	absent
Recycled/recovered/by-product content	The product contains some recycled/recovered/by-product. The relevant declaration is available on request.

Typical mechanical strength (N/mm²)

	Flexion	Compression
After 1 hour	approx. 4	approx. 10
After 24 hours	approx. 5	approx. 20
After 7 days	approx. 7	approx. 30
After 28 days	approx. 9	approx. 35

The above information refers to laboratory testing; it is possible that in practical applications on site these may differ considerably according to the conditions in which the material is applied. In any case the user must check that the product is suitable for the intended application, taking all responsibility for its use. Fassa reserves the right to make technical modifications without notice.

Technical specifications regarding the use of Fassa Bortolo products for structural or fire prevention applications will only be officially valid if provided by Fassa Bortolo's "Technical Service" and "Research, Development and Quality System". If necessary, contact Technical Service in your country of reference (IT: area.technica@fassabortolo.com, ES: asistencia.technica@fassabortolo.com, PT: assistencia.technica@fassabortolo.com, FR: bureau.technique@fassabortolo.fr, UK: technical.assistance@fassabortolo.com).

Please note that for the aforementioned products, the assessment is required by the appointed professional, in accordance with regulations in force.