

TECHNICAL DATA SHEET

AQUA BLOCK



ADHESIVES • PLASTERS • THERMAL INSULATION

Two-component waterproofing for negative water pressure

High-quality waterproofing for walls, floors and ceilings exposed to negative water pressure



PURPOSE

AQUA BLOCK is a high-quality two-component waterproofing for surfaces exposed to negative water pressure. The product is used mainly in cellars, basements, garages and other underground premises, endangered to so-called opposite or negative water pressure. **AQUA BLOCK** gives the solution for this common problem when the compromised surfaces can be treated only from the inside.

The product prevents penetration of water caused by underground water, capillary moisture, condensation, rain, and leaks from adjacent premises.

AQUA BLOCK prevents the formation of mold, mildew and other microorganisms, creating a dry and comfortable climate, even in underground premises and allows subsequent application of ceramic and stone floorings and facings.

PROPERTIES

- ❖ easy for application
- ❖ proportionally dosed
- ❖ excellent adhesion
- ❖ allows application of ceramic and stone tiles

PREPARATION OF THE BASE

AQUA BLOCK has excellent adhesion to different building bases, such as concrete, brick or stone masonries, gas concrete, cement-sand mortars, lime-cement plasters, mosaic coverings, plasterboard, etc. The base should be strong, free oil, dust, sand and other contaminants or separating layers. Any old paint coatings should be removed. It is allowed to apply on wet surfaces but it is necessary to remove any residual water.

CHARACTERISTICS AND TECHNICAL DATA

- | | |
|---|---------------------------------------|
| ■ Colour: | white and red |
| ■ Tensile strength: | 2.95 N/mm ² |
| ■ Work temperature: | +5°C to +35°C |
| ■ Open time for work: | around 30 min. |
| ■ Water permeability: | 0 kg/m ² .h ^{0.5} |
| ■ Coefficient of water vapour permeability: | 0,85 g/m ² .d |
| ■ Ready for tile covering, after sprinkling with quartz sand: | minimum 48 hours |

APPLICATION AND PROCESSING

AQUA BLOCK should be applied in two layers, perpendicular to each other using a brush or roller. The required amount for each layer should be mixed separately, right before application, as it is indicated on the labels of the individual components.

Preparing the material for the first layer should be done by gradually adding the whole amount of component B to the whole amount of component A in a separate container. The mixture should be stirred slowly and evenly until a homogeneous white mass is achieved. The application should be done with brush or paint roller, within 30 minutes without any additional dilution. It is recommended, when applying the first layer, to form holkers or to insert waterproofing tapes in the corners, and the sharp edges to be rounded in advance.

The second layer of **AQUA BLOCK** should be applied after the complete drying of the first one. Once again the material should be mixed and homogenized right before the application. The whole amount of component D should be added to the whole amount of component C in a separate container.

For greater visual control and precision during application, the color of the second layer **AQUA BLOCK** is red. It should be applied perpendicular to the first layer with brush or paint roller. The total maximum application thickness is up to 2 mm.

When subsequent laying of ceramic or stone flooring is envisaged, it is necessary to sprinkle the freshly applied second layer with quartz sand (0.1 mm size), in order to create optimal adhesion with the tile adhesive. The application of the tile adhesive can start after the waterproofing is completely dry and the residual sand is removed with a vacuum cleaner.

COVERAGE

- around 5 m² from 1 set **AQUA BLOCK**

TOOLS FOR WORK

- low speed mixer
- brush or paint roller
- bucket

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WEATHER CONDITIONS FOR APPLICATION

The minimum twenty-four-hour temperature of the air and the base should not be less than +10°C, and the maximum – not higher than +30°C

FORM OF DELIVERY

Liquid components in separate metal containers grouped in carton boxes.

NOTES

Characteristics and technical data of the product, pointed out into this Technical Data Sheet are defined at a standard temperature (20°C) and relative humidity (50%). In other weather conditions, the technological time for some of the processes, mentioned above, could be shorter or longer.

The information of the product is based on the practical experience of the manufacturer and the technical tests in specialized laboratories.

Do not mix with other building materials. Do not dilute.

All hazards and precautionary statements about the components of **AQUA BLOCK** can be checked on the labels of the product.

STORAGE

24 months into the originally sealed packages, in a dry and ventilated store. Protect from freezing and direct sunlight.

TERAZID Ltd. 5 “5004” Str. Gara Iskar, Sofia, Bulgaria BDS EN 1062-3 DoP № 20210309-02-D AQUA BLOCK <i>Waterproofing for negative water pressure</i>	
Tensile strength	2.95 N/mm ²
Water permeability	0 kg/m ² .h ^{0.5}
Coefficient of water vapour permeability	0.85 g/m ² .d
Diffuse resistance of water vapor	1020

The manufacturer recommends checking the suitability of the product in the Technical Data Sheet. The same is responsible for the product quality, but not for the ways and conditions of its applying.

The information into the present Technical Data Sheet is reliable but only if the product is used under stated conditions. The responsibility of any other usage of the product, including its usage in a combination with any other product or a process, is borne by the user.