



Adesivo&Rasante AquaBoard

Description

Mineral, single-component, adhesive and finishing product specifically intended to be used as base coat for direct rendering of AquaBoard panels. Suitable for laying and levelling thermal insulation paneling systems on AquaBoard panels. Available with fine or coarse grain size.

Product advantages

- Immediate adhesion
- Long adjustability time
- Easy to use for rapid, safe usage

Features

	Fine grain size	Coarse grain size
Appearance	Grey pre-mixed	White pre-mixed
Apparent volumetric mass	≈ 1,42 kg/dm ³ [UEAtc]	≈ 1,44 kg/dm ³ [UEAtc]
Mineralogical nature of inert material	Silicate – crystalline carbonate	Silicate – crystalline carbonate
Grading	≈ 0 - 1000 µm	≈ 0 - 1400 µm
Ash content at 450 °C	96,2 % [ETAG 004]	97,2 % [ETAG 004]
Ash content at 900 °C	88,2 % [ETAG 004]	61,6 % [ETAG 004]
Water retention	> 94 % [ETAG 004]	> 94 % [ETAG 004]
Shelf life	≈ 12 months in the original packaging in dry environment	≈ 12 months in the original packaging in dry environment
Packaging	Bags 25 kg	Bags 25 kg
Mixing water	5,5 L / 25 kg bag	5 L / 25 kg bag
Specific weight of mixture	≈ 1,60 kg/dm ³ [UNI 7121]	≈ 1,68 kg/dm ³ [UNI 7121]
Pot life	≥ 4 hrs	≥ 4 hrs
Temperature range for application	from +5 °C to + 35 °C	from +5 °C to + 35 °C
Adjustability	≥ 20 min.	≥ 15 min.
Maximum thickness obtainable	≤ 15 mm	≤ 15 mm
Coverage		
- as adhesive	≈ 2,5 - 4 kg/m ²	≈ 3 - 5 kg/m ²
- as base coat	≈ 1,5 kg/m ² per mm of thickness	≈ 1,6 kg/m ² per mm of thickness
Thermal conductivity (λ _{10, dry})	0,43 W/mK [EN 1745]	0,43 W/mK [EN 1745]
Adhesion between adhesive and EPS	≥ 0,2 N/mm ² [ETAG 004]	≥ 0,2 N/mm ² [ETAG 004]
Water capillarity absorption	0,26 kg/m ² [ETAG 004]	0,34 kg/m ² [ETAG 004]
Compressive strength	≥ 8 MPa [EN 12808-3]	≥ 10 MPa [EN 12808-3]
Flexural strength	≥ 6 MPa [EN 12808-3]	≥ 6 MPa [EN 12808-3]
Resistance to the diffusion of water vapour	μ = 16 [EN 12572]	μ = 19 [EN 12572]
Reaction to fire	Class A1 [EN 13501-1]	Class A1 [EN 13501-1]
Working temperature	from -15 °C to + 80 °C	from -15 °C to + 80 °C

Contacts

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Usage instructions

Preparation of substrate

AquaBoard panels must be installed according to Siniat recommendations. The surface of AquaBoard must be clean and dry: neither water droplets from previous rains, nor traces of condensation. Wipe out the surface if necessary.

The joints between the boards are treated with Adesivo&Rasante AquaBoard and AquaBoard reinforcing glass mesh tape (6,25 mm x 50 m). The glass mesh tape is embedded in one coat of Adesivo&Rasante AquaBoard of about 1,0 to 1,5 mm thick, which fills the tapered edges.

Preparation of Adesivo&Rasante AquaBoard

To prepare Adesivo&Rasante AquaBoard, mix the powder with clean water (water/powder ratio as per features table). The mixture is obtained by pouring water into the clean container and then gradually adding the powder. The mixing process can be performed in a horizontal cement mixer or in a bucket (working manually or with a low-rev, mechanical stirring device) until a smooth and lump-free mortar is obtained.

Application

As render:

A first coat of Adesivo&Rasante AquaBoard is applied by hand using a notched trowel in an even layer. Embed AquaBoard alkali-resistant glass mesh into the first base layer while it is still wet, pressing it with the trowel. Ensure the glass mesh joints overlap by 100 mm minimum both vertically and horizontally. Apply a second coat over the top, covering the mesh completely to create a finished surface which, on drying, is ready to receive the finishing coat. On completion, the surface must be protected from rain for at least 48 hours.

The base coat must be 5 mm thick minimum (first coat + second coat). The glass mesh must be embedded in the middle of the base coat layer or anyway in the outer half of it.

As adhesive:

According to the irregularity of the substrate, Adesivo&Rasante AquaBoard can be applied as an external rim with central spots or using a suitable notched trowel to form a solid bed directly on the panel. The insulating panel must be pressed firmly onto the support in order to distribute the adhesive as evenly as possible and thus guarantee total adhesion of the panel itself. Laying and any adjustment of the panels must always be carried out when the adhesive is fresh and just laid: any movement or adjustment of the panels once drying has started may cause the adhesion to be poor or the panels to detach.

Cleaning

Residual traces of Adesivo&Rasante AquaBoard can be removed from tools with plain water before the product has hardened.

Additional notes

When laying insulating panels, always follow the indications provided by the manufacturer of the panels themselves.

Warning

- Product for professional use
- Use at temperatures between +5 °C and +35 °C
- Only use water when mixing up the powder: do not use latex or other additives
- When used as adhesive, provide suitable mechanical fixings in compliance with current regulations
- Do not move the panels once the adhesive has started to harden
- Do not lay on damp substrates
- Protect the coated surfaces from rain for at least 48 hours
- If necessary, ask for the safety data sheet

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