

Armatop Quattro

Acrylic bonding and reinforcing layer for alsecco external wall systems

Areas of application	Bonding	Bonding of polystyrene and cork external wall insulation boards.
	Reinforcement	Reinforcing layer for use on polystyrene insulation boards in external wall insulation systems. Renovation filler for cracked substrates. Must not be coated with mineral-based adhesives and plasters.
Product properties	■ Weather-resistant	
	■ Water-repellent	
	■ Water-vapour permeable	
	■ Ready to apply	
	■ Easy application	
	■ Lower material consumption	
Technical data	Binder base	Styrene acrylate
	Specific gravity	approx. 1,3 g/cm ³
	Diffusion-equivalent air-layer thickness (2,0 mm)	s _d : approx. 0,5 m to DIN 52615 Guaranteed limit: s _d ≤ 2,0 m
	Capillary water absorption	w: approx. 0,02 kg/(m ² h ^{1/2}) to DIN 52617 Guaranteed limit: w ≤ 0,5 kg/(m ² h ^{1/2})
Application instructions	Preparation	Use masking tape to cover window sills and mounted parts.
	Substrate pre-treatment	All substrates must be sound, dry, even (DIN 18202 or 18203, as applicable), clean and free from adhesion-reducing residue. Pre-treat the substrates as detailed below:
	Substrate	Treatment
	Mineral substrates New-building quality	Clean
	Plasters MG PII, PIII, sound, stable	None
	Plasters MG PII, PIII, surface releasing sand	Sub Primer HT

Application instructions	Substrate pre-treatment	Substrate	Treatment
		Sound existing paint or coatings, non-chalking	Clean with high-pressure water jet
Sound existing paint or coatings, chalking	Clean with high-pressure water jet, Sub Primer HT		
Unsound existing paint or coatings	Remove paint / coating, Sub Primer HT		
Polystyrene insulation boards, as new	sand off differences in thickness or height, remove dust		
Polystyrene insulation boards, weathered	Sand down unsound surface zone, remove dust		
Mixing	Ready for application Stir with electric stirrer and if necessary add a little water to adjust mixture to correct consistency for application.		
Application as adhesive	<ul style="list-style-type: none"> - Use the spot-and-bead or ridged-bed method for bonding. - Minimum bonding area: 40% - The areas where the insulation boards abut must remain free from adhesive. - Never use adhesive, only insulating strips or PU foam filler, to fill the joints between the insulation boards. - Arrange the insulation in an offset pattern and push close together so that they abut. <p>Spot-and-bead method</p> <ul style="list-style-type: none"> - Apply a bead all round the edge of the board at an angle so that no adhesive is pressed into the horizontal or vertical joints when the boards are placed in position. - Apply 3 - 6 spots of adhesive for each 0.5 m² of insulation board. - Never fix the insulation boards in position using only spot-bonding. <p>Ridged-bed method</p> <ul style="list-style-type: none"> - Only apply to level substrates. - Immediately after the adhesive has been applied, place the insulation boards on top of the substrate and fix in position. 		

Application instructions

Application as adhesive

Machine application

- Use a suitable mortar pump and adhesive applicator gun to apply the material to the back of the insulation boards.
- Once the adhesive has been applied, place the insulation boards on top of the substrate and fix in position.

Please note

- All substrates must be dry,
- Please note the product data sheet of the relevant insulating material if you deviate from the standard bonding procedure!

Application
as a reinforcing layer**Attaching Corner Beads or Corner Meshes**

- Before the reinforcement, fully embed in Armatop Quattro and align.
- The following are used: Corner Bead 9078, Corner Bead 1031, Aluminium Corner Bead with Mesh, Corner Bead KU with Mesh.

Reinforcement

- Apply the material by machine or manually a layer thickness of 2 to 3 mm.
- We recommend using a 10 mm notched trowel to ensure the correct minimum layer thickness.
- Place the Mesh 32 into the open mortar bed with a 10 cm overlap and smooth over with a trowel.
- Embed the Mesh in the upper third of the reinforcing layer.
- In addition embed diagonal reinforcing strips or mesh strips (25 x 25 cm) in the corners of structural openings.

Consumption

Bond approx. 2,8 kg/m²Reinforcement approx. 2,8 kg/m²

Determine the exact amount of material required by coating a test area on site.

Minimum layer thickness
of reinforcement

approx. 2 mm

Application instructions	Information about the weather	<p>The temperature must not fall below + 5 °C during application and drying.</p> <p>Do not apply in direct sunlight.</p> <p>Please note that the setting time is reduced in windy conditions.</p> <p>Please note that the drying times are extended by low temperatures and high humidity.</p> <p>Protect against rain during the drying phase.</p>
	Interval	<p>Bonding</p> <p>Depending on the weather conditions be plugged and coated after at least 2 - 3 days.</p> <p>Reinforcement</p> <p>Depending on the weather conditions decorative plaster can be applied after at least 2 - 3 days.</p>
	Drying time	<p>approx. 1 - 3 days</p> <p>Dependent on temperature and relative humidity</p>
	Cleaning of tools	With water while product is still fresh
	Application by machine	Please ask for our special information sheet on machine application.
Packaging	Packaging unit	<p>PP tub 20 kg net</p> <p>One-way-container alsecco one-way 800 kg net</p>
	Colour	Creme
Other information	Transport	Not a hazardous product
	Storage	Minimum storage life of 1 year if kept cool, protected against frost and in the original sealed packaging.
	Information on safety	<p>In case of contact with the skin or eyes rinse thoroughly with plenty of water.</p> <p>In case of contact with the eyes seek medical advice.</p> <p>We will be pleased to provide the EC safety data sheet on request.</p>

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The above information is based on many years of experience and tests and is provided by us to the best of our knowledge. Such information applies in addition to our application guidelines. However, we cannot accept any responsibility for the correctness of our recommendations on account of wide variety of substrates and of on-site conditions and applications which are outside our control. Any recommendations provided by our employees and deviating from these documents must be given in writing. We reserve right to make any changes on account of technical progress or building regulations. Your technical advisor will be pleased to provide the relevant product data sheets.

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