

Armatop MP

Bonding and reinforcing compounds for alsecco external wall systems

Areas of application	Bonding	Bonding of ecomin-por, mineral wool, polystyrene and cork exterior wall insulation boards.					
	Reinforcement	Preparation of the reinforcing layer for the "basis" range of products and on painted, sound substrates. For use on old, cracked, mineral and sound substrates.					
Product properties	<ul style="list-style-type: none"> ■ One material for insulation-board bonding and reinforcement ■ Weather-resistant ■ Water-repellent ■ Highly water-vapour permeable ■ High adhesive strength on almost all substrates ■ Highly flexible 						
Technical data	Binder base	Portland cement to DIN 1164 Redispersible synthetic-resin powder					
	Apparent density of set mortar	approx. 1,4 g/cm ³ to DIN 18555					
	Adhesive pull strength on polystyrene	≥ 0,08 N/mm ²					
	Diffusion-equivalent air-layer thickness (2,0 mm)	s _d < 0,1 m to DIN 52615 Guaranteed limit: s _d ≤ 2,0 m					
	Capillary water absorption	w < 0,2 kg/(m ² h ^{0,5}) to DIN 52617 Guaranteed limit: w ≤ 1,0 kg/(m ² h ^{0,5})					
Application instructions	Preparation	Use masking tape to cover window sills and mounted parts.					
	Substrate pre-treatment	<p>All substrates must be sound, dry, even (DIN 18202 or 18203, as applicable), clean and free from adhesion-reducing residue.</p> <p>Pre-treat the substrates as detailed below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Substrate</th> <th style="text-align: left;">Treatment</th> </tr> </thead> <tbody> <tr> <td>Mineral substrates New-building quality</td> <td>Clean</td> </tr> <tr> <td>Plasters MG PII, PIII, sound, stable</td> <td>None</td> </tr> </tbody> </table>	Substrate	Treatment	Mineral substrates New-building quality	Clean	Plasters MG PII, PIII, sound, stable
Substrate	Treatment						
Mineral substrates New-building quality	Clean						
Plasters MG PII, PIII, sound, stable	None						

Application instructions	Substrate pre-treatment	Substrate	Treatment
		Plasters MG PII, PIII, surface releasing sand	Sub Primer HT
		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
		Mineral wool- insulation boards	None
		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		<p>25 kg sack in approx. 5,7 l water</p> <p>Mix using an electric stirrer or compulsory mixer.</p> <p>Do not mix more material than can be applied in 2 hours.</p>	
Application as adhesive		<ul style="list-style-type: none"> - Before applying Armatop MP, apply a coat over the adhesive area of the mineral wool boards. - 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. 	

Application instructions

Application as adhesive

Ridged-bed method

- 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.

Machine application

- Use a suitable mortar pump and adhesive applicator gun to apply the material to the back of the insulation boards.
- When using coated lamella insulation boards (Speed Wall), apply the adhesive directly to the wall. Comb the adhesive through with a notched trowel to create a ridged bed before applying the insulation boards.
- Once the adhesive has been applied, place the insulation boards on top of the substrate and fix in position.

Please note

- 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 MP and align.
- The following are used: Corner Bead 9078, Corner Bead 1031, Aluminium Corner Bead with Mesh, Corner Bead KU with Mesh.

Reinforcement

- Apply a layer thickness of approx. 3 mm and comb through with a 10 mm notched trowel.
- 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

Polystyrene: approx. 3,5 - 4,5 kg/m²
 Mineral wool: approx. 4,0 - 5,0 kg/m²

Reinforcement

Application instructions	Consumption	Polystyrene: approx. 3,5 kg/m ² Mineral wool: approx. 4,0 - 5,0 kg/m ²
		Determine the exact amount of material required by coating a test area on site.
	Minimum layer thickness of reinforcement	approx. 3 mm
	Information about the weather	The temperature must not fall below + 3 °C during application and drying. Do not apply in direct sunlight. Please note that the setting time is reduced in windy conditions.
	Interval	Bonding Depending on the weather conditions the next coat can be applied after at least 24 h The insulation boards should not be plugged and coated until later. Reinforcement Depending on the weather conditions mineral textured plasters can be applied after at least 24 h. Depending on the weather conditions synthetic-resin plasters can be applied after at least 5 days.
Drying time	approx. 1 - 3 days Dependent on temperature and relative humidity	
Cleaning of tools	With water while product is still fresh	
Application by machine	Please ask for our special information sheet on machine application.	
Packaging	Article number	05001
	Packaging unit	Paper sack 25 kg net Silo: On request
	Colour	Grey
Other information	Transport	Not a hazardous product
	Storage	Minimum storage life of 1 year if kept dry, protected against moisture, cool and in original sealed packaging.
	Information on safety	R 36/38: Irritating to eyes and skin S 2: Keep away from children S 24: Avoid contact with the skin S 26: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice S 37: Wear suitable gloves

Other information

Information on safety

We will be pleased to provide the EC safety data sheet on request.

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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.

PD 0220/0201