

# Armatop MP

Adhesive and reinforcing compound for alsecco facade systems



## AREAS OF APPLICATION

### Area of application

Bonding	Bonding of mineral wool-, polystyrene- and cork facade insulation boards.
Reinforcement	Preparation of the reinforcement layer in the product lines "basic" and on painted, stable substrates. Application on old, cracked, mineral and stable substrates.

## PRODUCT PROPERTIES

- A material for insulation board bonding and reinforcement
- Water-repellent
- Highly water-vapour permeable
- Strong adhesive power on nearly all substrates
- Highly elastic
- Normal render mortar according to DIN EN 998-1

## TECHNICAL DATA

Indicated fixed values represent average values, which can slightly vary from delivery to delivery due to the application of natural raw materials.

Binder base	Mineral binding agent according to DIN EN 197-1 and DIN EN 459-1 Resin dispersion powder
Apparent density of set mortar	approx. 1,4 g/cm <sup>3</sup> according to DIN EN 998-1
Adhesive pull strength	≥ 0,08 N/mm <sup>2</sup> according to DIN EN 998-1
Adhesive pull strength on	≥ 0,08 N/mm <sup>2</sup>

polystyrene

Water vapour permeability $\mu$	$\leq 25$ according to DIN EN 998-1
Water permeability	$w \leq 0,2 \text{ kg}/(\text{m}^2\text{h}^{1/2})$ according to DIN EN 1062
Fire behavior	A2-s1, d0 according to DIN EN 13501
Water absorption	Class W <sub>2</sub> according to DIN EN 998-1
Compressive strength	Class CS IV according to DIN EN 998-1
Diffusion-equivalent air-layer thickness (3,0 mm)	$s_d < 0,1 \text{ m}$ according to DIN EN ISO 7783

## APPLICATION INSTRUCTIONS

Preparation

Mask window sills and attachment parts.

Substrate pre-treatment

All substrates must be stable, dry, level (DIN 18202 or 18203), clean and free of any residue, which can reduce adhesiveness.

Pretreat substrates according to the following specifications:

Substrate	Treatment
Mineral substrates, structurally identical to new construction	Cleaning
Renders MG PII, PIII, stable, solid	None
Renders MG PII, PIII, sandy surface	Sub Primer HT
Stable old coats or coatings, non-chalking	Clean with high pressure water jet
Stable old coats or coatings, chalking	Clean with high pressure water jet, Sub Primer HT
Unstable old coats or coatings	Remove coat/coating, Sub Primer HT
Mineral wool facade insulation boards	None
Polystyrene facade insulation boards, in mint condition	Remove thickness or height discrepancies by sanding, remove any accumulated dust
Polystyrene facade insulation boards, weathered	Sand down unstable area of the surface, remove any accumulated dust

Mixing

25 kg of material (one sack) in approx. 5,7 l of water.

	<p>Mix with electric mixer or compulsory mixer.</p> <p>Do not mix more material than can be used within 2 h.</p>
Application as adhesive	<p>Prime mineral insulation boards before application of the Armatop MP in the adhesive area.</p> <p>Bond according to bead-spot or buttering-floating method.</p> <p>Minimum adhesive surface: 40%.</p> <p>Do not apply any adhesive in the area of the joints on the insulation boards.</p> <p>Never seal joints between insulation boards using adhesive but rather with insulation strips or PU filling foam.</p> <p>Install insulation boards in offset stretcher bond formation and butt together.</p> <p><b>Bead-spot method</b></p> <p>Apply circumferential beading bevelled to the edge of the board, to avoid adhesive being pressed into the butt and bed joints when attaching the boards.</p> <p>Apply 3 - 6 adhesive dots for 0.5 m<sup>2</sup> insulation board surface.</p> <p>Never fix insulation boards using spot bonding.</p> <p><b>Buttering-floating method</b></p> <p>Use only for level substrates.</p> <p>Immediately after application of the adhesive, position insulation boards on the substrate and butt.</p> <p><b>Mechanical adhesive application</b></p> <p>Apply the material to the rear side of the insulation boards using a suitable mortar pump and adhesive applicator gun.</p> <p>Apply the adhesive directly to the wall when using coated lamella insulation boards (Speed-Wall). Before installing the insulation boards, comb through using a notched trowel.</p> <p>After application of the adhesive, position insulation boards on the substrate and butt.</p> <p><b>Note</b></p> <p>Please observe the product data sheet for the respective insulation material when deviating from the normal bonding method!</p> <p>Metals, e.g. titanium zinc, can corrode in the event of direct contact with alkaline mortars.</p>
Application as a reinforcing layer	<p><b>Installing corner rails or mesh corner beads</b></p> <p>Before reinforcing, place completely into Armatop MP and align.</p> <p>Corner rail 9078, corner rail 1031, aluminium corner rail with mesh and corner rail KU with mesh are used.</p> <p><b>Constructing the reinforcement</b></p> <p>Apply material mechanically or manually with a layer thickness of 3 mm .</p> <p>Combing through with a 10 mm notched trowel is recommended, to check the minimum layer thickness.</p> <p>Place the fibreglass mesh32 into the open mortar bed overlapping 10 cm and level using a smoothing trowel.</p> <p>Embed the reinforcement mesh so that it is positioned in the middle of the reinforcement layer.</p> <p>Additionally embed diagonal reinforcement strips or mesh strips (25 x 25 cm)</p>

	diagonally in the reinforcement in corner areas of building openings.
Consumption	<p><b>Bonding:</b> approx. 4,5 - 6,0 kg/m<sup>2</sup></p> <p><b>Reinforcement:</b> approx. 1,4 kg per mm layer thickness per m<sup>2</sup></p> <p>Determine the precise material requirements by means of a trial coating on the object.</p>
Minimum layer thickness of reinforcement	approx. 3 mm
Information about the weather	<p>Temperatures below 3 °C may not arise during application and drying.</p> <p>Do not apply in direct sunlight.</p> <p>In the case of wind, please observe shorter setting times.</p>
Interval	<p><b>Bonding</b> Depending on the weather conditions, reworkable after 24 h at the earliest. Anchoring and reworking of the insulation boards only after that.</p> <p><b>Reinforcement</b> Depending on the weather conditions, reworkable after 24 h at the earliest for reworking with mineral textured renders.</p> <p>Depending on the weather conditions, reworkable after 5 days at the earliest for reworking with resin or silicone resin renders.</p>
Drying time	<p>approx. 1 - 3 days</p> <p>Dependent on temperature and relative humidity.</p>
Cleaning of tools	In a fresh state with water.
Application by machine	Please request special information regarding machine processing.

## STORAGE

Dry, protected against moisture, cool, shelf life in original sealed packaging of at least 1 year.

## PACKAGING INFORMATION

Colour	Grey
Packaging unit	Paper sack approx. 25 kg net
	Silo: Upon request

## OTHER INFORMATION

Information on safety	The information provided in the current safety data sheet applies.
Transportation	Not a hazardous material
Giscode	ZP1 cement-based products, low in chromate

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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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