

Armatop Por

Mineral light mortar for bonding and reinforcing in the ecomin-por system and reinforcing in the pheno system



AREAS OF APPLICATION

Area of application

Bonding	Bonding of silica-based mineral insulation boards.
Reinforcement	Average layered reinforcement for the alsecco facade systems ecomin por and pheno. Can be applied in combination with alsecco textured renders Si (in the ecomin por system), silicone resin renders as well as Alsilite - Aero (in the pheno system).

PRODUCT PROPERTIES

- Minimal material consumption and easy to apply due to lightweight aggregates
- Water-repellent
- Extremely High water-vapour permeability
- Excellent adhesion to all mineral substrates, silica based mineral insulation boards and Alsitherm Pheno 021
- Elastic due to fibre content

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
Apparent density of set mortar	approx. 1,0 g/cm ³
Water permeability	w: approx. 0,05 kg/(m ² h ^{1/2}) according to DIN EN 1062
Diffusion-equivalent air-layer thickness (5,0 mm)	s _d : approx. 0,07 m according to DIN EN ISO 7783

APPLICATION INSTRUCTIONS

Preparation	<p>Mask window sills and attachment parts.</p> <p>Diligently cover glass, ceramic, brick, natural stone, varnished, glazed and anodised surfaces.</p>
Substrate pre-treatment	All substrates must be stable, level, clean, dry and free of any residue, which can reduce adhesiveness.
Mixing	<p>25 kg of material (one sack) in approx. 9 - 10 l of water.</p> <p>Mix with electric mixer or compulsory mixer.</p>
Application as adhesive in the ecomin-por System	<p>Bonding principles</p> <p>Bond insulation boards using the bead-spot, strip or buttering-floating method.</p> <p>Minimum adhesive surface: 70% for silica based mineral insulation boards.</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>Insulation boards in offset stretcher bond formation, butt up closely against one another, floating in adhesive bed.</p> <p>Bead-strip method</p> <p>Apply circumferential beading along the edge of the board, so that no adhesive is pressed into the butt or bed joint when attaching the boards.</p> <p>Apply additional adhesive strips per insulation board, so that the required percentage of adhesive surface is attained.</p> <p>Buttering-floating method</p> <p>Completely apply adhesive and comb through using a notched trowel (minimum notch size 10 x 10 mm).</p> <p>Only use adhesive methods on level substrates.</p> <p>Mechanical adhesive application</p> <p>Apply the material to the rear side of the insulation boards using a suitable mortar pump and adhesive applicator gun.</p> <p>Note</p> <p>System-related differences in adhesive methods or percentages of adhesive surface may be required according to system approval. A summary of this information can be found in the information brochure "Anchoring Facade Systems".</p> <p>Metals, e.g. titanium zinc, can corrode in the event of direct contact with alkaline mortars.</p>

Application as a reinforcing layer

Installing corner rails

Reinforcement layer 5 mm

Mesh corner bead 1031

corner rail KU with mesh

Place the corner rail completely into the reinforcing compound.

Constructing the reinforcement

Apply material mechanically or manually in the required coat thickness using a rustproof steel trowel, comb through with notched trowel R and level with rendering darby.

Place the fibreglass mesh³² into the open mortar bed overlapping 10 cm and level using a smoothing trowel.

Embed the reinforcement mesh so that it is positioned in the middle for reinforcement layer thicknesses up to 4 mm and in the upper half for thicknesses exceeding 4 mm.

Additionally embed diagonal reinforcement strips or mesh strips (25 x 25 cm) diagonally in the reinforcement in corner areas of building openings.

Observe layer thicknesses of 5-7 mm.

Consumption

Area of application

Bonding	approx. 7 kg/m ²
Reinforcing	ca. 1,1 kg per mm layer thickness per m ²

Determine the precise material requirements by means of a trial coating on the object.

Minimum layer thickness

Reinforcement: 5 mm

Information about the weather

There cannot be temperatures below + 3 °C during application and drying.

Protect against premature drying, do not apply in direct sunlight.

In the case of wind, please observe the shorter setting time.

Drying time

approx. 2 - 3 days

Dependent on temperature, layer thickness and relative humidity.

Interval

Bonding

Depending on the weather conditions, anchoring or reworking after 24 hours at the earliest.

Reinforcement

Reworkable with silicate renders after 48 hours at the earliest.

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	Antique white
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.

