

Armatop Base Pro

Adhesive and reinforcement compound as well as top-coat render in alsecco wall-base systems, feltable



AREAS OF APPLICATION

For fixing wall-base and perimeter insulation boards to mineral substrates, high-build bitumen coatings, topped polymer-bitumen membranes and concrete in the splash zone and up to a depth of 20 cm below top ground surface on façades.

For reinforcement of wall-base and perimeter insulation boards in the splash zone and up to a depth of 20 cm below top ground surface on façades.

As top-coat render to create a fine-grained, felted finish in the wall-base area of external thermal insulation composite systems (from an overall render system thickness for reinforcement and top-coat render of ≥ 7 mm with integrated moisture protection).

Refurbishment of cracked, mineral and sound substrates in wall-base areas.

PRODUCT PROPERTIES

- Additional moisture protection is not required for overall render system thicknesses ≥ 7 mm.
- Watertight in accordance with DIN EN 12390-8
- Extremely easy to apply
- Can be easily felted
- Fibre-reinforced to cope with mechanical impact
- Particle size 1.0 mm

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	Cement in accordance with DIN EN 197-1, mineral aggregate in accordance with DIN EN 12139
Apparent density of set mortar	approx. 1,8 g/cm ³ according to DIN EN 998-1
Adhesive pull strength	$\geq 0,5$ N/mm ² nach ETAG 004
Water vapour permeability μ	≤ 50 according to DIN EN ISO 7783
Impermeability to water	Water-impermeable in accordance with DIN EN 12390-8 (28 d, 1.5 bar)

APPLICATION INSTRUCTIONS

Preparation

Mask window sills and attachment parts.

Substrate pre-treatment

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

Pretreat substrates according to the following specifications:

Revise with	Treatment
Mineral substrates, structurally identical to new	Cleaning
renders MG PII, PIII, stable, solid	Cleaning
renders MG PII, PIII, sandy surface	Hydro penetrating primer
Stable old coats or coatings, non-chalking	Clean with high pressure water jet, prime with Primer
Stable old coats or coatings, chalking	Clean with high pressure water jet, prime with Hydro penetrating primer, then apply Primer P
Unstable old coats or coatings	Remove coat/coating, Hydro penetrating primer
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. 5,8 l of water

Mix with electric mixer or compulsory mixer.

Do not mix more material than can be used within 2 hours.

Application as adhesive

Use the spot-and-bead or combed-bed method for bonding.

Minimum bond: 40 %. The joints between the insulation boards must remain free of adhesive.

The joints between the insulation boards must never be closed with adhesive, but only with strips of insulation material or PU foam filler.

Fix the insulation boards in position with the vertical joints staggered and butt closely together.

Spot-and-bead method

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 at least 3 - 6 spots of adhesive for each 0.5 m² of insulation board. Never fix the insulation boards in position using only spot-bonding. When using the



spot-and-bead method on sound, older render systems and/or coats of paint, high-build bituminous coatings or topped, welded polymer sheets, we recommend also inserting plugs ≥ 150 mm above top ground surface.

Combed-bed method

Only apply to level substrates.

Immediately after the adhesive has been applied, place the insulation boards against the substrate and fix in position. When applying a full bond to high-build bituminous coatings or topped, welded polymer sheets, additional plugs do not need to be inserted ≥ 150 mm above top ground surface.

Application as base layer	Use a stainless steel trowel to apply the a coat approx. 5 - 7 mm thick, comb with notched trowel R or a 15 x 15 smoothing trowel and smooth over with a long float. Embed Mesh 32 in the fresh bed of mortar with a 10 cm overlap and smooth over with a trowel. The reinforcement mesh must be fully embedded in Armatop Base Pro. The reinforcement mesh should be embedded in the upper third of the reinforcement layer. In the corners of structural openings, embed additional diagonal reinforcement or mesh strips (25 x 25 cm) in the base coat.
Application as a decorative layer	Once the reinforcement has dried, surface with another coat approx. 1 - 2 mm thick. When the coating starts to set, felt it over with a fine sponge float. To benefit from the integrated moisture protection of Armatop Base Pro, we recommend checking the layer thicknesses at various points to ensure an overall render thickness of at least 7 mm. Once both layers are completely dry, the surface can be painted (2 coats of paint) with façade paint suitable for the wall-base area. We recommend e.g. Alsicolor Carbon or Alsicolor Cryltec. Rendered surfaces that are incorporated below top ground surface must be protected with a fleece-coated waterproof foil installed in front.
Consumption	<p>Bonding</p> <p>approx. 4,5 - 6,0 kg/m²</p> <p>Reinforcing und Top-coat:</p> <p>1,5 kg/m² per mm Layer thickness)</p> <p>Determine the precise material requirements by means of a trial coating on the object.</p>
Minimum layer thickness	Reinforcement on the base of ETICS: 5 mm, in conjunction with integrated moisture protection at least 7 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.
Interval	The following waiting periods must be observed for reworking the material depending on the drying conditions:

Refinishing with	Waiting period
Armatop Base Pro	1 day
Waterstop Kellerdicht W*	3 days
Waterflex*	
Waterflex Carbon*	

coatings	7 days
organic renders	5 days
mineral renders	2 days

*additional moisture protection is only necessary for an overall render thickness of < 7 mm or when refinishing with top-coat render.

Drying time	approx. 1 - 3 days Dependent on temperature and relative humidity.
Cleaning of tools	In a fresh state with water.

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

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

alsecco GmbH
Kupferstraße 50
D-36208 Wildeck
Phone 03 69 22 / 88-0
Fax 03 69 22 / 88-330
Internet: www.alsecco.de

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.

