

# Armatop K

Mineral adhesive and reinforcement layers in accordance with DIN EN 998-1 used in the alsecco façade system for hard cladding

## AREAS OF APPLICATION

Adhesive fixing	Bonding of mineral-wool and polystyrene façade insulation boards.
Adhesive fixing	Medium-build reinforcement (4 - 8 mm) as part of the alsecco façade system for hard cladding and on sound, mineral substrates.

## PRODUCT PROPERTIES

- Normal render mortar according to DIN EN 998-1
- Low efflorescence
- Highly water-repellent
- Easy to apply
- Good adhesion

## 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 binder according to DIN EN 197-1 Synthetic resin dispersions powder
Mortar category	Class CS IV according to DIN EN 998-1
Apparent density of set mortar	approx. 1,4 g/cm <sup>3</sup> according to DIN EN 1015-10
Adhesive pull strength	≥ 0,3 N/mm <sup>2</sup> according to DIN EN 1015-12
Water permeability	w ≤ 0,1 kg/(m <sup>2</sup> h <sup>1/2</sup> ) according to ETAG 004
Fire behavior	A2-s1, d0 according to DIN EN 13501-1
Water absorption	Class W2 (low) according to DIN EN 998-1 and c ≤ 20 kg / (m <sup>2</sup> min <sup>0,5</sup> ) according to DIN EN 1015-18
Water vapour diffusion resistance μ	≤ 25 according to DIN EN 1015-19

## APPLICATION INSTRUCTIONS

- Preparation** Mask window sills and attachment parts.  
Diligently cover glass, ceramic, brick, natural stone, varnished, glazed and anodised surfaces.
- 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. 6,0 - 6,5 l of water.  
Mix with electric mixer or compulsory mixer.  
Wait for 2 minutes, then stir thoroughly once again.

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

- Application as a reinforcing layer** **Installing corner rails or mesh corner beads**  
Before reinforcing, place completely into Armatop K and align.  
Corner rail 1013 and corner rail KU with mesh are used.

### Application of reinforcement

The reinforcement layer must be applied so that the overall layer thickness does not exceed 8 mm. If the plugs are inserted through the reinforcement mesh, the reinforcement layer must generally be applied in two coats. The first coat involves applying the material at the required thickness by machine or manually with a stainless steel trowel, combing it through with a notched trowel and then smoothing it over with a long float.

Embed Glasfasergewebe K (Mesh K) or Alsitex K in the fresh mortar bed with a 10 cm overlap and smooth over with a trowel.

Embed the reinforcement mesh so that it lies in the middle of the reinforcement layer if this is up to 4 mm thick, and in the upper half if the layer is more than 4 mm thick.

For the second operation, the material can be applied to the entire surface or in patches over the plugs. If applying two layers, the first layer must have set but not fully dried before the second layer is applied. If superior evenness is required for the reinforcement layer, e.g. because of the edge length of ceramic cladding, we recommend applying a second reinforcement layer over the entire area.

In the corners of structural openings, additional diagonal reinforcement or mesh strips (25 x 25 cm) should be embedded diagonally in the reinforcement coat.

#### Consumption

##### Adhesive fixing

ca. 4,5 - 6 kg/m<sup>2</sup>

##### Reinforcement

1,4 kg/m<sup>2</sup> per mm layer thickness

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

#### Layer thickness of reinforcement

Minimum: 4 mm

Maximum: 8 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

##### Adhesive fixing

Overlayable after a period of at least 24 hours, depending on weather conditions. The plugs must be inserted in the insulation boards afterwards. The same applies to coating the insulation boards.

##### Reinforcement

Depending on the weather conditions, an interval of 1 day per mm layer thickness must be complied with.

#### Drying time

approx. 3 - 5 days

Dependent on temperature, layer thickness and relative humidity.

#### Cleaning of tools

In a fresh state with water.

#### Application by machine

Please request special information regarding machine processing.



**STORAGE**

Shelf life in original sealed packaging of at least 1 year when kept cool, dry and protected against frost.

Colour	Grey
Packaging unit	Paper sack approx. 25 kg net Silo material

**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](http://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.

