

# Armatop X-press

Mineral fastdrying adhesive and reinforcing compound  
for extreme weather conditions



## AREAS OF APPLICATION

### Area of application

Bonding	Bonding of polystyrene, mineral wool lamella insulation boards and mineral wool insulation boards
Reinforcement	Reinforcing compound

## PRODUCT PROPERTIES

- Tested X-press technology, confirmed by expert's report
- Specifically attuned to cold wet weather
- Highly water-vapour permeable
- Strong adhesive power on nearly all substrates
- Can be applied in a temperature range above 0 °C und up to 15 °C
- Water-repellent
- Machine usable for flow mixer
- Normal render mortar according to DIN EN 998-1
- Fast curing

## 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. 1,5 g/cm <sup>3</sup> according to DIN 18555
Adhesive pull strength	≥ 0,08 N/mm <sup>2</sup> according to DIN EN 998-1
Adhesive pull strength on polystyrene	≥ 0,08 N/mm <sup>2</sup>

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	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 X-press
Stable old coats or coatings, chalking	High pressure water jet, Hydro penetrating primer, follow up with Primer X-press
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. 5,5 l of water. Mix with electric mixer or compulsory mixer. Mix again after approx. 2 min. Do not mix more material than can be used within one hour.
Application as adhesive	Bond according to bead-spot or buttering-floating method. Minimum adhesive surface: 40%. Do not apply any adhesive in the area of the joints on the insulation boards.

Never seal joints between insulation boards using adhesive but rather with insulation strips or PU filling foam (flame-resistant) .

Install insulation boards in offset stretcher bond formation and butt together.

#### **Bead-spot method**

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.

Apply 3 - 6 adhesive dots for 0.5 m<sup>2</sup> insulation board surface.

Never fix insulation boards using spot bonding.

#### **Buttering-floating method**

Use only for level substrates.

Immediately after application of the adhesive, position insulation boards on the substrate and butt.

#### **Mechanical adhesive application**

Apply the material to the rear side of the insulation boards using a suitable mortar pump and adhesive applicator gun.

When using insulation boards that allow the adhesive to be applied to the substrate, there is also the option of applying the adhesive mechanically.

After application of the adhesive, position insulation boards on the substrate and butt. Place into adhesive mortar bed as a floating installation and press down.

#### **Note**

Please observe the product data sheet for the respective insulation material when deviating from the normal bonding method!

Metals, e.g. titanium zinc, can corrode in the event of direct contact with alkaline mortars.

Application as a reinforcing layer

#### **Installing corner rails or mesh corner beads**

Before reinforcing, place completely into Armatop X-press and align.

Corner rail 9078, corner rail 1031, aluminium corner rail with mesh and corner rail KU with mesh are used.

#### **Reinforce**

Apply material mechanically or manually with a layer thickness of 4mm .

Combing through with a 10 mm notched trowel is recommended, to check the minimum layer thickness.

Place the fibreglass mesh 32 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 of the reinforcement layer.

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



## Consumption

**Area of application**

Bonding	approx. 4,5 - 6,0 kg/m <sup>2</sup>
Reinforcing	ca. 1,5 kg per mm layer thickness per m <sup>2</sup>

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

Minimum layer thickness of reinforcement

3 mm

Information about the weather

Application in temperature ranges above 0 °C and up to 15 °C is possible. The substrate must be free of frost and ice.

For application as an adhesive, temperatures below the freezing point up to -3 °C are permissible as early as a hour(s) after application, for application as a reinforcement as soon as after 6 hour(s) after working the product.

Do not apply in direct sunlight.

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

Interval

**Bonding**

Depending on the weather conditions, reworkable after 12 hours.

**Reinforcement**

Depending on the weather conditions, reworkable after sufficient hardening and drying.

**Waiting period before reworking with mineral renders**

At least 24 h at air temperature of 0 °C, the waiting period can be shorter at higher temperatures, sufficient hardening must be given.

At least 36 h if there were temperatures below 0 °C after application.

**Waiting period before reworking with paste-like products**

At least 36 h at air temperatures of 0 °C or higher.

At least 48 h if there were temperatures below 0 °C after application

The reinforcement layer must have sufficiently dried in an even manner.

Cleaning of tools

In a fresh state with water.

Application by machine

Please request special information regarding machine processing.

**STORAGE**

Minimum storage life of 6 months if kept dry, protected against moisture, cool and in original sealed packaging.

**PACKAGING INFORMATION**

Colour	Light 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](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.



FASSADENKOMPETENZ