

# Alsitop

Lightweight external wall render for high-insulation brickwork

## Areas of application

Mineral-based lightweight plaster to DIN 18550 MG Plc for high-insulation brickwork.

One material can be used as a primer and texturing layer.

Do not use on areas subject to extreme mechanical stress.

### Primer coat

Alsitop  
Alsitop F

### Textured layer

3 options for different textured finishes

Alsitop	- grooved texture
Alsitop F	- smooth, felted texture
Alsitop T	- scraped texture

## Product properties

- Weather-resistant
- Water-repellent to DIN 18550
- Very highly water-vapour permeable
- Low-stress, high plasticity
- Extremely reliable and easy application as a result of lightweight aggregates
- Good adhesion on all mineral substrates
- Extremely economical as a result of low material consumption and since only one material is used for the primer and textured layer

## Technical data

Binder base | Mineral binders to DIN 1060 and DIN 1164

### Apparent density of set mortar

Alsitop	$\gamma$ : approx. 0.7 g/cm <sup>3</sup>
Alsitop F	$\gamma$ : approx. 0.7 g/cm <sup>3</sup>
Alsitop T	$\gamma$ : approx. 0.8 g/cm <sup>3</sup>

### Diffusion-equivalent air-layer thickness (10 mm)

Alsitop	$s_d$ : approx. 0.15 m (DIN 52615)
Alsitop F	$s_d$ : approx. 0.15 m (DIN 52615)
Alsitop T	$s_d$ : approx. 0.15 m (DIN 52615)

Guaranteed limit for each:  $s_d \leq 2,0$  m

### Capillary water absorption

Alsitop	$w$ : approx. 0.2 kg/(m <sup>2</sup> h <sup>1/2</sup> ) (DIN 52617)
Alsitop F	$w$ : approx. 0.2 kg/(m <sup>2</sup> h <sup>1/2</sup> ) (DIN 52617)
Alsitop T	$w$ : approx. 0.2 kg/(m <sup>2</sup> h <sup>1/2</sup> ) (DIN 52617)

Guaranteed limit for each:  $w \leq 1,0$  kg/(m<sup>2</sup>h<sup>1/2</sup>)

**Application instructions**

## Preparation

- Use masking tape to cover window sills and mounted parts.
- To create accurate connections, use a plaster edging profile on windows and doors.

## Substrate pre-treatment

- All substrates must be sound, clean and free from adhesion-reducing residue.
- Pre-moisten the substrate at high temperatures and in windy conditions.
- Coat the whole surface of lightweight wood-wool boards with Armatop MP and comb with a 5 mm notched trowel. Depending on weather conditions the next coat can be applied after 24 to 72 hours.

## Mixing

Alsitop	25 kg sack in 17 - 18 l water
Alsitop F	25 kg sack in 16 - 17 l water
Alsitop T	25 kg sack in 15 - 16 l water

Mix using an electric stirrer or compulsory mixer.

Application  
as a base layer:**Fixing the Corner Beads**

- Layer thickness 10 mm: Corner Bead 1023
- Layer thickness 12 mm: Corner Bead 1020
- Layer thickness 15 mm: Corner Bead 1013
- Layer thickness 20 mm: Corner Bead 1014
- Fully embed the Corner Beads in the base coat and align them.

**When exposed to high levels of moisture and salt:**

- Use Corner Bead 1016 for 15 mm layer thickness.
- Use Corner Bead 1019 for 20 mm layer thickness.

**Application of Base Profiles**

- Layer thickness 10 mm: Base Profile 1227
- Layer thickness 15 mm: Base Profile 1225
- Layer thickness 20 mm: Base Profile 1229

<b>Application instructions</b>	Application as a base layer:	<p><b>Prepare the base coat.</b></p> <ul style="list-style-type: none"> <li>- Apply the material by machine or manually with a standard trowel and a stainless steel trowel and level with a long float.</li> <li>- In areas that are subject to cracking, provide additional reinforcement by using Mesh Universal with a 10 cm overlap at the joints and coat with a grain-thick layer of plaster.</li> <li>- Embed the Mesh in the upper third of the base coat.</li> <li>- Coat with a grain-thick layer of plaster.</li> </ul>
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Application as a textured layer	<ul style="list-style-type: none"> <li>- To reduce the risk of staining when applying pigmented decorative plasters, ensure that the substrates have dried out evenly.</li> <li>- After prolonged intervals thoroughly wet the dried base layer before applying the textured layer.</li> </ul>
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### Finishing options

Plaster	Finishing
Alsitop	<p>Use a wooden or plastic trowel to texture the surface with horizontal, vertical or circular movements.</p> <p>Different textured finishes can be created with a trowel as an alternative</p>
Alsitop F	Rub with a sponge disk or create different textured finishes with a trowel.
Alsitop T	Use a plastic trowel to rub over with a circular motion.

Consumption approx. [kg/m <sup>2</sup> ]		Alsitop	Alsitop F	Alsitop T
Base coat	Aerated concrete even/bond	6.0	6.5	-
	Aerated concrete grouted	6 - 7	6 - 7	-
	Pumice, grouted brick	8 - 9	8 - 9	-
Textured layer		2.5	3.5	2.5

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

Minimum layer thickness	Base layer (1st layer):	7 mm	Alsitop, Alsitop F
	Textured layer (2nd layer):	3 mm	Alsitop, Alsitop T
		5 mm	Alsitop F

<b>Application instructions</b>	Information about the weather	The temperature must not fall below + 3 °C during application and drying. Do not apply in direct sunlight. Please note that the setting time is reduced in windy conditions. Protect fresh plaster against rain and drying out too rapidly.
	Interval	Base coat: at least 24 hours
	Drying time	approx. 2 - 5 days Dependent on temperature, relative humidity and volume applied
	Cleaning of tools	With water while product is still fresh
	Application by machine	Please ask for our special information sheet on machine application.
<b>Packaging</b>	Packaging unit	Paper sack 25 kg net Alsitop F: also available in large container
	Colour	White and pigmented  On account of their special properties, differences in shade and staining cannot always be avoided when using pigmented mineral plasters.  To ensure even coloration, a coat of Equalizing Finish is required for pigmented products and recommended for white products.
<b>Other information</b>	Transport	Not a hazardous product
	Storage	Minimum storage life of 1 year if kept dry, protected against moisture, cool and in original sealed packaging.
	Information on safety	R 36/38: Irritating to eyes and skin S 2: Keep away from children S 24: Avoid contact with the skin S 26: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice  S 37: Wear suitable gloves  We will be pleased to provide the EC safety data sheet on request.