

Alsilite - Aero

Silicate-based lightweight mineral plaster for external walls

Areas of application	Silicate-based lightweight mineral plaster to DIN 18550 for textured finishes in alsecco external wall systems.		
	Do not use on areas subject to extreme mechanical stress.		
Reinforcement layer	Armatop MP		
	Armatop A		
	Armatop L – Aero		
	Armatop AKS		
	Base Coat W		
Textured layer	3 options for different textured finishes		
	Alsilite F – Aero	- smooth, felted texture	
	Alsilite R – Aero	- grooved texture	
	Alsilite T – Aero	- scraped texture	
Product properties	■ Economical as a result of low material consumption and rapid application		
	■ Extremely reliable and easy application as a result of lightweight aggregates		
	■ Water-repellent		
	■ Highly water-vapour permeable		
	■ Excellent adhesion on all mineral substrates		
	■ High crack-resistance		
	■ Weather-resistant		
Technical data	Binder base	Mineral binder to DIN EN 197-1 and DIN EN 459-1 with silicate additives	
	Apparent density of set mortar	Alsilite F – Aero	γ : approx. 0.8 g/cm ³
		Alsilite R – Aero	γ : approx. 1.1 g/cm ³
		Alsilite T – Aero	γ : approx. 1.4 g/cm ³

	Diffusion-equivalent air-layer thickness	$s_d \leq 0,1$ m to DIN EN ISO 7783 Guaranteed limit: $s_d \leq 2,0$ m																				
	Water permeability	w: approx. $0,2 \text{ kg}/(\text{m}^2 \text{ h}^{1/2})$ to DIN EN 1062 Guaranteed limit: $w \leq 1,0 \text{ kg}/(\text{m}^2 \text{ h}^{1/2})$																				
Application instructions	Preparation	<ul style="list-style-type: none"> - Use masking tape to cover window sills and mounted parts. - Carefully cover glass, ceramics, brick, slip, natural stone, varnished and anodized surfaces. 																				
	Substrate pre-treatment	<p>All substrates must be sound, even, clean, dry and free from adhesion-reducing residue.</p> <p>All substrates, particularly basecoats, have to be dry equal, to avoid colour shading in the topcoat.</p> <p>For easier application, we recommend applying a coat of Top Primer P before applying the decorative plaster.</p>																				
	Mixing	<table border="0"> <tr> <td>Alsilite F – Aero</td> <td></td> <td>25 kg sack in approx. 10 l water</td> </tr> <tr> <td rowspan="3">Alsilite R – Aero</td> <td>2,0 mm</td> <td>25 kg sack in approx. 7,5 l water</td> </tr> <tr> <td>3,0 mm</td> <td>25 kg sack in approx. 7,0 l water</td> </tr> <tr> <td>4,0 mm</td> <td>25 kg sack in approx. 6,5 l water</td> </tr> <tr> <td rowspan="3">Alsilite T – Aero</td> <td>2,0 mm</td> <td>25 kg sack in approx. 7,5 l water</td> </tr> <tr> <td>3,0 mm</td> <td>25 kg sack in approx. 8,0 l water</td> </tr> <tr> <td>4,0 mm</td> <td>25 kg sack in approx. 6,5 l water</td> </tr> <tr> <td></td> <td>5,0 mm</td> <td>25 kg sack in approx. 8,5 l water</td> </tr> </table>	Alsilite F – Aero		25 kg sack in approx. 10 l water	Alsilite R – Aero	2,0 mm	25 kg sack in approx. 7,5 l water	3,0 mm	25 kg sack in approx. 7,0 l water	4,0 mm	25 kg sack in approx. 6,5 l water	Alsilite T – Aero	2,0 mm	25 kg sack in approx. 7,5 l water	3,0 mm	25 kg sack in approx. 8,0 l water	4,0 mm	25 kg sack in approx. 6,5 l water		5,0 mm	25 kg sack in approx. 8,5 l water
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Mix using an electric stirrer or compulsory mixer.

Application	Finishing options	
	Plaster	Finishing
	Alsilite F – Aero	Rub with a sponge disk or create different textured finishes with a trowel.
	Alsilite R – Aero	Use a wooden or plastic trowel to texture the surface with horizontal, vertical or circular movements. Different textured finished can be created with a trowel as an alternative.
	Alsilite T – Aero	Use a plastic trowel to rub over with a circular motion.
	A coat of Alsicolor Aero will considerably reduce the risk of attack by micro-organisms.	
	At lightness values below 20, the plaster must have at least two top coats of a suitable alsecco paint system applied, preferably Alsicolor or Alsicolor Aero, once it has dried out thoroughly.	
Consumption	Alsilite F – Aero	approx. 4,0 kg/m ²
	Alsilite R – Aero	2,0 mm approx. 2,1 kg/m ² 3,0 mm approx. 2,5 kg/m ² 4,0 mm approx. 3,0 kg/m ²
	Alsilite T – Aero	2,0 mm approx. 2,3 kg/m ² 3,0 mm approx. 2,9 kg/m ² 4,0 mm approx. 3,8 kg/m ² 5,0 mm approx. 4,4 kg/m ²
	Determine the exact amount of material required by coating a test area on site.	
Layer thickness	Alsilite F – Aero	3 – 5 mm
	Alsilite R – Aero	2 – 4 mm
	Alsilite T – Aero	2 – 5 mm
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.	
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.
Packaging	Packaging unit	Paper sack approx. 25 kg net
	Colour	White and pigmented On account of their special properties, differences in shade and staining cannot always be avoided when using pigmented plasters. To ensure even and planed coloration, a coat of Equalizing Finish or Alsicolor Aero is required for pigmented products and recommended for white products.
Other information	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 38: Irritating to the skin R 41: Risk of serious damage to eyes S 2: Keep away from children S 22: Do not breathe dust S 24/25: Avoid contact with the skin and eyes S 26: In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice S 37/39: Wear suitable gloves and eye/face protection S 46: If swallowed seek medical advice immediately and show container or label We will be pleased to provide the EC safety data sheet on request.

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 the 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 the 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.

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