

Alsilite R - Aero

Silica based mineral lightweight render with grooved finish



AREAS OF APPLICATION

Lightweight silicate-based mineral render according to DIN EN 998-1 for surface structures in alsecco facade systems. Do not use on mechanically heavily stressed surfaces.

PRODUCT PROPERTIES

- Extremely reliable and easy application due to lightweight aggregates
- Free of fungicides and algacides
- Excellent adhesion to all mineral substrates
- Highly water-vapour permeable
- High crack resistance
- Economical because of low material consumption and quick application
- Water-repellent according to DIN 18550-1, W2 according to DIN EN 998-1

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 with silicate additives
Apparent density of set mortar	γ : approx. 1,1 g/cm ³
Diffusion-equivalent air-layer thickness	$s_d < 0,1$ m according to DIN EN ISO 7783 class V ₁ (high) according to DIN EN 1062
Water vapour permeability μ	≤ 20 according to DIN EN 998-1
Water permeability	w: approx. 0,2 kg/(m ² h ^{1/2}) according to DIN EN 1062 Class W ₂ according to DIN EN 1062
Water absorption	Class W ₂ according to DIN EN 998-1

APPLICATION INSTRUCTIONS

Preparation	<p>Mask window sills and attachment parts.</p> <p>Diligently cover glass, ceramic, brick, natural stone, varnished, glazed and anodised surfaces.</p>
Substrate pre-treatment	<p>All substrates must be stable, level, clean, dry and free of any residue, which can reduce adhesiveness.</p> <p>All substrates, in particular undercoat renders, must have dried evenly, to avoid causing colour variations in the finishing coat.</p> <p>We recommend a priming coat with Primer P, to improve workability before applying the decorative render.</p>
Mixing	<p>1,5 mm 25 kg of material (one sack) in approx. 7,5 l of water</p> <p>2,0 mm 25 kg of material (one sack) in approx. 7,5 l of water</p> <p>3,0 mm 25 kg of material (one sack) in approx. 7,0 l of water</p> <p>4,0 mm 25 kg of material (one sack) in approx. 6,5 l of water</p> <p>5,0 mm 25 kg of material (one sack) in approx. 6,5 l of water</p> <p>7,0 mm 25 kg of material (one sack) in approx. 7,0 l of water</p> <p>Mix with electric mixer or compulsory mixer.</p>
Application	<p>Texture horizontally, vertically or with circular motions using wood or plastic trowel.</p> <p>As an alternative, different trowelled textures are possible.</p> <p>Applying Alsicolor Carbon significantly reduces the risk of microbial infestation.</p> <p>For light reflectance values below 20, the render must be coated with at least two coats of a suitable alsecco paint or varnish system after drying, preferably Alsicolor Carbon or Alsicolor Sc.</p>
Consumption	<p>1,5 mm approx. 1,8 kg/m²</p> <p>2,0 mm approx. 2,1 kg/m²</p> <p>3,0 mm approx. 2,8 kg/m²</p> <p>4,0 mm approx. 3,2 kg/m²</p> <p>5,0 mm approx. 3,6 kg/m²</p> <p>7,0 mm approx. 4,3 kg/m²</p> <p>Determine the precise material requirements by means of a trial coating on the object.</p>
Information about the weather	<p>There cannot be temperatures below + 3 °C during application and drying.</p> <p>Do not apply in direct sunlight.</p> <p>In the case of wind, please observe the shorter setting time.</p> <p>Protect fresh render against rain and premature drying.</p>
Drying time	<p>approx. 2 - 5 days</p> <p>Depending on temperature, relative humidity and quantity applied.</p>
Cleaning of tools	<p>In a fresh state with water.</p>
Application by machine	<p>Please request special information regarding machine processing.</p>

STORAGE

Dry, protected against moisture, cool, shelf life in original sealed packaging of at least 1 year.

PACKAGING INFORMATION

Colour	White and pigmented. Due to their special properties, variations in colour or staining cannot always be avoided when using pigmented mineral renders. To ensure an even and planned colouring, a coating, preferably with Alsicolor Carbon or Alsicolor Finish is required for pigmented products and recommended for white products.
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

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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.

