

Sockelputz LP

Mineral lightweight render for basement brickwork and base areas consisting of highly insulating brickwork.



AREAS OF APPLICATION

Base render for basement brickwork and exterior walls in category CS III according to DIN EN 998-1 and render mortar group P II according to DIN 18550-1, in particular for highly insulating brickwork and concrete.

Interior wall render for rooms with normal or increased loads.

PRODUCT PROPERTIES

- Easy to apply by hand or machine
- High mechanical load capacity
- Stress-relieved
- Water-repellent according to DIN 18550-1, W2 according to DIN EN 998-1
- Weatherproof
- Feltable, fine surface

TECHNICAL DATA

Binder base	Mineral binding agent according to DIN EN 197-1 and DIN 459-2 and aggregates according to DIN EN 13139
Material	CS III according to DIN EN 998-1 and P II according to DIN 18550-1
Water vapour permeability μ	≤ 20 to DIN EN 1015-19
Fire behavior	A1 according to DIN EN 998-1
Thermal conductivity	$\lambda_{10 \text{ dry}} \leq 0,39 \text{ W/(mK)}$ for P=50% according to DIN EN 1745 $\lambda_{10 \text{ dry}} \leq 0,43 \text{ W/(mK)}$ for P=90% according to DIN EN 1745
Water absorption	W2 to DIN EN 998-1 and $c \leq 0,1 \text{ kg/(m}^2\text{min}^{0,5})$ to DIN EN 1015-18
Compressive strength	approx. 3,5-4,0 N/mm ² according to DIN EN 1015-11

APPLICATION INSTRUCTIONS

Preparation	<p>Mask window sills and connecting parts.</p> <p>Thoroughly cover glass, ceramic, brick, natural stone, varnished, glazed and anodised surfaces.</p> <p>First, render the reveals, grip sockets and damaged areas.</p>
Substrate pre-treatment	<p>All substrates must be stable, level (DIN 18202), clean and free of any residue, which can reduce adhesiveness. Pre-wet substrate in the case of high temperatures. The substrate should be matt-moist.</p> <p>Provide smooth, non-absorbent and highly absorbent substrates with machine-applied cement in category CS IV according to DIN EN 998-1 or render mortar group P III according to DIN 18550-1.</p> <p>Always conduct the checking and preparation of the render base as well as renderwork according to VOB/C-ATV-DIN 18350 and DIN 18550-1 or DIN 18550-2 .</p>
Mixing	<p>Mix 30 kg material (one bag) with approx. 8,3 l of water.</p> <p>Mixing with conventional rendering machines, electric mixers or compulsory mixers.</p>
Application	<p>Constructing the render layer:</p> <p>Apply material mechanically or manually in the required render thickness using a bucket trowel and rustproof steel trowel and swipe smooth with a rendering darby.</p> <p>If necessary, sinter layers and unevenness must be roughened using a lattice plane or removed by levelling. Depending on the weather conditions, the surfaces can be levelled after 24 hours at the earliest. It is not absolutely necessary to apply adhesive primer between the undercoat render and textured render. An adhesive primer compatible with the textured render must be applied in the case of levelled surfaces.</p> <p>Thorough roughening of the first render layer in the case of two coats is required. Suitable measures must be taken to protect render surfaces with ground contact against water penetration and moisture in the ground.</p> <p>For single-layer render application, apply the required render thickness, level with a featheredge and after the material has begun to set, wipe down with a sponge float. Solely materials suitable for base areas can be used as finishing coats.</p> <p>Only apply vapour barrier coatings to thoroughly dried render; at the earliest after reaching its ultimate strength, i.e. usually after 28 days.</p> <p>After completing the base render work, moisture protection must be applied, assuming an area with ground contact up to a minimum of 5 cm above ground level. Waterflex Carbon can for example be used for the additional moisture protection.</p> <p>Render reinforcement:</p> <p>Areas prone to cracking consisting of various substrate properties (mixed brickwork, ring beams, shutter boxes, etc.) must be reinforced with a partial surface reinforcement consisting of Armatop AKS or Armatop MP with fibreglass mesh 32 for example prior to applying the base coat. render surfaces with an increased risk of cracking, e.g. in the area of windows and door corners, an additional reinforcement with fibreglass mesh universal-Aero must be embedded</p>

in the upper third of the primary coat.

As an alternative, an additional layer of reinforcement render, e.g. using Alsitop A with the embedding of fibreglass mesh 32 can be carried out.

A second render layer consisting of Alsitop A with the embedding of fibreglass mesh 32 is required for severely exposed layers, light reflectance values below 30 and finishing coats with grain size < 2 mm.

Use the embedded mesh in the area of joints overlapping by at least 10 cm. Additionally embed diagonal reinforcement strips in corner areas of building openings.

Consumption	approx. 1,2 kg/m ² per mm layer thickness Determine the precise material requirements by means of a trial coating on the object.
Minimum layer thickness	min. of 10 mm - max. of 20 mm (single-layer) max. 30 mm (two-layer)
Information about the weather	The temperature must not fall below +5°C and not exceed +30°C during application and drying. Do not apply in direct sunlight. Please note that the setting time is reduced in windy conditions. Protect the plaster against drying out too quickly.
Drying time	approx. 1 day/mm layer thickness Dependent on temperature, layer thickness and relative humidity.
Cleaning of tools	In a fresh state with water.
Application by machine	Machinery / Equipment e.g.: Mixing pump PFT G4 Screw jacket: D6-3 Conveying screw: D6-3 Mortar hoses: 25 mm diam., 35 mm diam. Wet-mortar conveying range: up to 20 m, up to 30 m Please ask for our special information sheet on machine application.

STORAGE

Minimum storage life of 9 months if kept dry, protected against moisture, cool and in original sealed packaging.

PACKAGING INFORMATION

Colour	Grey
Packaging unit	Paper sack approx. 30 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

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