



S1 / Dual Component Semi-Elastic Waterproofing Mortar

Product Description

Cement-based, acrylic (polymer emulsion) modified, two-component, semi-elastic waterproofing mortar.

Areas of Use

It is used as a ceramic waterproofing material in all buildings, especially in wet places such as balconies, bathrooms, toilets and kitchens.

Application Surfaces

- Cement-based plasters and screeds,
- Gross concrete surfaces
- Consult us for all other application surfaces.

Advantages

- Easy and practical application
- Possibility of rapid transition to ceramic application.

Preparation of the Surface

- The surface to be applied must be clean, smooth and firm.
- Significant defects and holes on the surface should be filled with Thick Repair Mortar 24 hours before Newkim Cement Based Double Component Semi-Elastic Waterproofing Mortar (S1) application; in cases where fast application or sulfate resistance is required, it should be chamfered with appropriate Repair Mortar.
- Porous surfaces such as exposed concrete and cement-based plaster should be wetted with clean water and should be waited until the water layer disappears so that the surface remains moist.



It is produced in accordance with TS EN 14891: 2013 standard.

Preparation of Mortar

- For each layer, 20 kg of powder component should be added slowly to the 6 kg liquid component and it should be mixed for about 2-3 minutes, preferably with the help of a low speed mixer until it reaches a homogeneous consistency.
- After the mixture is rested for 5 minutes, it must be mixed again before application. Newkim S1 should be applied to the entire surface in 2 coats with a brush or trowel.
- The application of each layer should be applied in the direction perpendicular to the previous one.

Application Details

- Newkim S1 should be applied to the entire surface in a minimum of 2 coats with the help of a brush.
- The application of each layer should be made in the direction perpendicular to the previous one.
- It should be waited at least 24 hours between layers.
- The specified periods are valid at 25 °C surface and ambient temperature, time is prolonged at low temperature, time is shortened at high temperature.

Application Limit

- It is not applied on wood, hardboard, plywood and metal surfaces.
- It is not applied against negative water pressure. It is not applied in drinking water tanks and terraces.
- It should not be left naked in places that may be exposed to direct sunlight.
- The top of the application should be covered with products such as screed, ceramics.

Application Requirements

- The ambient temperature should be between +5 °C and +35 °C.
- Application in very humid and / or very hot weather should be avoided.
- It should not be applied on surfaces that are frozen, melting or in danger of rain or frost within 24 hours.

Application Tools

Hand mixer, brush, trowel.

Warnings & Suggestions

- Only its own liquid should be used for the mixture, absolutely no water should be added.
- Foreign materials must not be added.
- Dilation joints on application surfaces should be provided with dilation insulation bands.
- In wet volume applications, moving points and vertical and horizontal corners should be supported by corner insulation bands.
- Newkim S1 applied surfaces should be protected from direct sunlight, air currents and frost for 2 days.
- If necessary, the surface should be wetted and kept moist.
- A protective coat like ceramic should be applied on Newkim S1 on surfaces that may be exposed to mechanical impacts.
- The coating application like ceramic should not be started before 2 days after Newkim S1 application.
- After application, all tools used should be washed with water before drying.
- Never go beyond the application instructions.

Technical Information

Technical Information is relative to 55% (± 5 °C) relative humidity environment at 23 °C (± 2 °C).

View	Grey Fine-Grained Powder / White Color Liquid
Application Temperature	+5°C / +35°C
Mortar Density	Approximately 1.60 kg / dm ³ (± 0.1)
Adhesive Strength (TS EN 14891)	$\geq 1,00$ N / mm ²
Crack Bridging (TS EN 14891)	$\geq 0,75$ mm (+20 °C)
Capillary Water Absorption (TS EN 1602-3)	$\leq 0,10$ kg / (m ² h0,5)
Number of Floors to Apply	2-3
Waiting Time Between Coats	Min. 24 hours
Time to Wait for Ceramic Application	1-2 days
Mechanical Strength Gain Time	3 days
Water Impermeability	7 days
Full Drying Time	48 hours

Consumption

2-4 kg / m² for 2 mm thickness

Packaging

20 kg Powder
6 kg Liquid

Shelf Life

1 year from the date of production in drought and dry environments

Color

Gray-Powder
White Liquid