



S3 / Dual Component UV Resistant Waterproofing Mortar

Product Description

Cement-based, acrylic (polymer emulsion) modified, improved UV resistance, light pedestrian traffic resistant, two-component, fully elastic waterproofing mortar.

Areas of Use

It is used as a UV and light pedestrian traffic resistant waterproofing material in all buildings, especially on terrace roofs that will be left open without being covered with any other coating material, in wet places such as balconies, bathrooms, toilets and kitchens, swimming pools and water tanks.

Application Surfaces

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

Advantages

- Safe use as a topcoat on terrace roofs.
- Improved UV and light pedestrian traffic.
- Stated times 25 °C surface and ambient strength.
- Resistance to temperature differences with full elastic structure.
- Compliance with drinking water.
- Application on moist surfaces.
- Easy and convenient 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 min 24 hours before application of Newkim Double Component UV Resistant Elastic Waterproofing Mortar (S3); if rapid application or sulfate resistance desired.



It is produced in accordance with TS EN 14891: 2013

- It is valid at temperature, time increases at low temperature, time decreases at high temperature.

Preparation of Mortar

- For each layer, 25 kg of powder component should be added slowly to the 8 kg liquid component and mixed with a low speed mixer for 2-3 minutes until it reaches a homogenous consistency.
- After the mixture is rested for 5 minutes, it must be mixed again before application.

Application Details

- Newkim Two Component UV Resistant Elastic Waterproofing Mortar S3 should be applied to the entire surface with a brush or trowel in a minimum of 2 coats.
- 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.

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.

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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 Two Component UV Resistant Elastic Waterproofing Mortar S3 applied surfaces should be protected from sudden temperature differences, air currents and frost that will increase the risk of cracking on the surface for 48 hours.
- If necessary, the surface should be wetted and kept moist.
- A protective coat like ceramic should be applied on Newkim Double Component UV Resistant Elastic Waterproofing Mortar S3 on surfaces that may be exposed to mechanical impacts.
- The coating application like ceramic should not be started before 1 day after Newkim S3 application.
- After application, all tools used should be washed with water before drying.

Technical Information

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

View	White Fine-Grained Powder / White Color Liquid
Application Temperature	+5°C / +35°C
Mortar Density	Approximately 1,55 kg /dm ³ (± 0.1)
Adhesion strength (TS EN 14891)	$\geq 1,00$ N /mm ²
Crack bridging (TS EN 14891)	$\geq 1,50$ mm (+20 °C) $\geq 1,00$ mm (-20 °C)
Capillary water absorption (TS EN 1602-3)	$\leq 0,10$ kg/(m ² h0,5)
Number of Coats to Be Applied	2-3 layers
Waiting Time Between Coats	24 hours
Waiting Time for Filling Water Tanks With Water Gain	7 days
Mechanical Strength	2 days
Water Impermeability	7 days
Full Drying Time	48 hours

Consumption
2-4 kg / m² for 2 mm thickness

Packaging
25 kg Powder
8 kg Liquid

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

Color
White