



S2 / Dual Component Super Elastic Waterproofing Mortar

Product Description

Acrylic (polymer emulsion) modified, cement based, double component, super elastic waterproofing mortar.

Areas of Use

It is used as cement waterproofing material in cement-based surfaces in all buildings: Especially in wet places such as balconies, bathrooms, toilets and kitchens, balcony terraces and private swimming pools.

Application Surfaces

Interior and exterior;

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

Advantages

- Safe use in wet areas, balcony terraces and detached swimming pools.
- Possibility of rapid transition to ceramic application.
- With its extra elastic structure, it offers a wide application area in structures.
- Easy and practical application possibility.

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 Super Elastic Waterproofing Mortar (S2) 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



TS EN 14891: 2013 standartına uygun üretilmiştir.

with clean water and should be waited until the water layer disappears so that the surface remains moist.

Preparation of Mortar

- For each layer, 20 kg of powder component should be added slowly to the 10 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 S2 should be applied to the entire surface with a brush or trowel in min 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.
- 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 should not be left naked in places that may be exposed to direct sunlight.
- The application should be covered with products such as screed and 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 have the risk of rain or frost
- Foreign materials must not be added.

Application Tools

- Hand mixer, brush, trowel.

Warnings & Suggestions

- Only its own liquid should be used for the mixture, absolutely no water should be added.
- Newkim S2 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 S2 on surfaces that may be exposed to mechanical impacts.
- The coating application like ceramic should not be started before 2 days after Newkim S2 application.
- After application, all tools used should be washed with water before drying.
- 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.

Technical Information

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

View	Grey powder / Whiteliquid
Application Temperature	+5°C / +35°C
Mortar Density	approximately 1.50 kg / dm ³
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
20 kg Powder
10 kg Liquid

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

Color
Grey powder
White Liquid