



## S2 / Dual Component Super Elastic Waterproofing Mortar

### Product Description

It is a cement based, acrylic (polymer emulsion) modified, chlorinated water resistant, crack bridging capability at low temperature (-5°C), double-component, super elastic waterproofing product prepared according to TS EN 14891:2013 standard. (CMO<sub>1</sub>P)

### 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, bathrooms, 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



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

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.

### 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% ( $\pm 5$  °C) relative humidity environment at 23 °C ( $\pm 2$  °C).

View	Grey powder / Whiteliquid
Application Temperature	+5°C / +35°C
Mortar Density	approximately 1.60 kg / m <sup>3</sup> ( $\pm 0.200$ )
Adhesion strength (TS EN 14891, 2017)	$\geq 0,5$ N /mm <sup>2</sup>
Crack bridging (TS EN 14891, 2017)	$\geq 0,75$ mm (-5 °C)
Capillary water absorption (TS EN 1602-3)	$\leq 0,10$ kg/(m <sup>2</sup> h0,5)
Waterproofing (No Penetration)	$\leq 20$ gr.
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

3 kg / m<sup>2</sup>



#### 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