



CONCRESEAL[®]

TH-S

WATERPROOF CEMENT PRIMER FOR POLYURETHANE AND POLYSTYRENE INSULATION PANELS

DESCRIPTION

CONCRESEAL[®] TH-S is a waterproof polymer-modified cement-based mortar for priming insulation panels of polyurethane foam or polystyrene. Once applied, it provides a high bond strength on the surface for the finish with façade mortars or acrylic coatings.

APPLICATIONS FIELDS

- Primer for polystyrene and polyurethane panels prior to the finish with mortars and acrylic coatings.
- Fixing of polystyrene foam panel on façades.

ADVANTAGES

- Waterproof and very long durability because of its cement base. Non-degradable.
- Provides a continuous and levelled surface on joints.
- Can be applied quickly by spray method with high coverages and savings in man-hours.
- Only needs water for mixing.

APPLICATION INSTRUCTIONS

Surface preparation

The surface of the insulation boards must be free of dust, grease and loose or foreign elements. The boards shall be properly fixed

to prevent any movement while the mortar is still fresh.

Mixing

Mix between 5 and 5,5 litres of water per each 25 kg bag. ($21 \pm 1\%$), using a slow speed mixing drill or by hand. For spray method application or at high temperature, mixing water can be increased slightly.

Application as primer: Apply by trowel on the panels a layer of 1 - 2 mm thickness and while it is still fresh, place a reinforcement fibreglass mesh (140 - 160 gr/m², 0,5 cm mesh) and press into the mortar. Applications by wet-mix spray method achieving the same thickness can be also made. Once the layer has set completely, for about 8 to 24 hours depending on temperature, the application of the finish with mortars or acrylic coatings can be made.

Application for fixing insulation boards:

The insulation boards can also be fixed using **CONCRESEAL[®] TH-S** as a complement of the mechanical fixing method or bonding agents. The surface to be treated must be perfectly level, free of dust, grease, loose or foreign elements. Apply with a toothed trowel (3 x 3 mm) over the whole surface and place the insulation boards. **CONCRESEAL[®] TH-S** can be also applied putting lumps of at least 1 cm thickness on the panel. Allow at least 24 hours with auxiliary fixing elements before applying the coating on the exterior side.

Application conditions

In winter, do not apply below 5 °C or if such temperatures are expected within 24 hours

after application. Do not apply on frozen or frosted surfaces. Do not apply if rain is expected within 24 hours after application. Do not apply above 40 °C.

Curing

For a better curing at very high temperatures (35 °C), apply a fine mist water spray within 2 hours after placing **CONCRESEAL® TH-S**. Avoid to wash out the surface of the mortar while it is still fresh.

Cleaning

All tools and equipments should be cleaned immediately with water after use. Once it hardens, can only be removed by mechanical means.

CONSUMPTION

The estimated consumption for a layer of 2 mm thickness is 3,2 kg/m². This approximate consumption can vary depending on porosity and texture of the surface, a pre-liminary test on-site will determine the consumption exactly.

PACKAGING

CONCRESEAL® TH-S is supplied in 25 kg bags and it is available in white colour.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from humidity and freezing, with temperatures above 5 °C.

TECHNICAL DATA

Appearance	White powder
Dry density (gr/cm ³)	1,3 ± 0,05
Maximum aggregate size (mm)	0,5
Mixing water (%)	21 ± 1
Pot life at 20°C (min)	20 – 40
Setting time at 20 °C (hours)	
- Initial	2 – 3
- Final	4 – 5
Consumption approx. (kg/m ² /mm thickness)	1,6
Minimum and maximum thickness (mm)	1 - 2
Adhesion on polystyrene	Excellent (Breaks the substrate)

GUARANTEE

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