

## Adhesive of increased adhesion for fixing insulation board for ETICS

### PRODUCT

**webertherm glue** is a pre-mixed dry blend of cement, fillers, polymer, and additives. It is mainly used as adhesive to fix rigid insulation to a variety of surfaces: masonry, brick, concrete, gypsum and cement board. It is resistant to mechanical stress and has an outstanding bonding effect and is water resistant.

### CHARACTERISTICS

Appearance	Powder
Composition	Cement, siliceous sand and additives
Color	Grey
Density	1.55 kg/lit. $\pm$ 0.05
Open Time	25 min. at 20°C
Pot Life	2 hrs at 20°C
Shelf Life	6 months
Mixing Ratio	6 lit. per 25 kg
Coverage	4kg/m <sup>2</sup> depending on: - Surface irregularity - Webertherm SW thickness and size. - Method of application

VOC and formaldehyde  
content ISO/FDIS  
11890-2/GC-MS None (<10µg)

### TEST RESULTS

Tensile adhesion strength (N/MM <sup>2</sup> ) ETAG 004:2000(1)	webertherm glue /Substrate	webertherm glue /EPS
28 days standard conditions	0.26	0.08
28 days standard conditions + 2 days water immersion + 2 hours drying	0.34	0.1
28 days standard conditions + 2 days water immersion + 7 days drying	0.47	0.1

(1): Results pass the minimum requirement of ETAG 004:2000

Tensile adhesion strength (N/MM <sup>2</sup> ) ETAG 004:2000(1)	webertherm glue /Substrate	Webertherm glue /Mineral wool
28 days standard 0.26 0.08 conditions	$\geq$ 0.25 MPa	<0.08 MPa



### PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg	25 kg

48h immersion in water + 2h 23°C/50 % RH	$\geq$ 0.08 MPa	<0.03 MPa
48h immersion in water + 7 days 23°C/50 % RH	$\geq$ 0.25 MPa	<0.08 MPa

### INSTRUCTIONS FOR USE

#### SUBSTRATE PREPARATION

Surface must be clean and free from greasy matters or dust.

#### PRODUCT PREPARATION

Mix **webertherm glue** in the proportion of 6 liters of clean cool water per 25kg bag. An electric mixer with low rotation speed (< 300 rpm) can be used.

Mix until a uniform lump free paste is obtained. Let the paste rest for a few minutes before starting the application.

#### PRODUCT APPLICATION

Apply the **webertherm glue** mixture on the back side of the insulation board (Mineral wool such as webertherm SW or EPS). Apply the adhesive on the inside of the board using the "strip-point" method. It consists of preparation of continuous circumferential block (at least 3 cm wide) at the edge of the board and even distribution of 6 to 8 patches of 8 to 12 cm in diameter on the whole surface. Immediately after application of the mortar on the board, fix the board to

the substrate by firm pressing and level it. In case of even and smooth substrates, the mortar can be evenly distributed using a notched float on the whole board surface to ensure 2 to 5 mm layer thickness.

**CAUTION:** Immediately place the insulation board on the substrate, ensuring that no **webertherm glue** mixture gets into board joints. Do not allow the **webertherm glue** mixture to form a skin before positioning the insulation board on the substrate as it will affect the bond strength.

Joints between adjacent insulation boards should be reduced to the minimum.

## CLEANING

Clean the tools with water after use. Cured materials can only be removed mechanically.

## STORAGE

12 months after manufacturing date in original and non-open packaging, under cover, in dry condition, away from humidity, protected from extreme temperatures and direct sunlight.

## SAFETY PRECAUTIONS

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable to do the application in a well ventilated area, to wear protective gear for hands, eyes and respiratory system and to avoid dust inhaling. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. The product is non-flammable.

## DISCLAIMER

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