webertherm base

Cement based polymer modified base coat render for façades



Façade and Thermal Insulation

Leb	Egypt	Jordan	UAE	Qatar	Kuwait	KSA	Oman
-	-	-	25kg	-	25kg	-	25kg

PRODUCT

webertherm base is a pre-bagged dry blend of cement, aggregates, polymer, and additives. It provides an excellent reinforcing coat for embedding glass fiber mesh in External Façades Insulation Composite System (ETICS) or directly on Glasroc X (from Saint-Gobain Gyproc) a special Gypsum boards designed for external applications. It is deformable, crack-proof and resistant to mechanical stress. **webertherm base** has an outstanding bonding effect and is water resistant.

CHARACTERISTICS	
Appearance	Powder
Composition	Cement, siliceous sand and additives
Density	1.55kg/lit.±0.05
Open Time	25min. at 20°C
Pot Life	2hrs at 20°C
Mixing Ratio	5 to 5.5lit. per 25kg
Coverage	3 to 4kg/m² per coat
Tensile adhesion with Glasroc X	>0.5MPa crack resistance

VOC and formaldehyde content ISO/FDIS 11890-2/ GC-MS	None (<10µg)
ASTM E 2134: ASTM E 2486:	Complies Complies
Water vapor transmission acc. EN 15148:2000 [kg/ m².h$^{1/2}$]	Complies

ADMISSIBLE SUBSTRATES

Cement based renders in facades
Expanded polystyrene (EPS)
Mineral wool/ Stone Wool
Glasroc from Saint-Gobain Gyproc
Concrete walls...

TEST RESULTS	
Tensile adhesion strength as per EAD 040083- 00-0404 (ETAG 004)	
28 days standard conditions	Complies
28 days standard conditions + 2 days water immersion + 2 hours drying	Complies
28 days standard conditions + 2 days water immersion + 7 days drying	Complies

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

TEST CHARACTERISTICS	
After Hygrothermal weathering acc. EAD 040083-00-0404 (ETAG 004)	
Visual assessment	No cracking, no blistering, no peeling
Tensile adhesion	Complies
Impact test	Complies

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

PRODUCT PREPARATION
Mix **webertherm base** in the proportion of 5.5 to 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
Use a stainless notched trowel to apply the mortar to the surface of the mineral wool insulation board such as **webertherm SW** or EPS insulation board or Glasroc X (gypsum board from Saint-Gobain Gyproc) to a uniform thickness minimum 3mm; immediately, lay in the meshcloth. Once the initial coat has started to set, apply a second layer of **webertherm base** to produce a sandwich approximately 6mm thick totally encapsulating the meshcloth. The meshcloth must lie within the inner one-third of the **webertherm base**. At joints, individual meshes should overlap each other by 10 to 15cm. At corners special reinforcing corner angle glass fiber mesh is used. In order to protect against the formation of cracks, in areas where larger local stresses are to be expected, i.e. in the vicinity of the corners of door, window and other openings, strips of mesh (app.20x40cm) should be placed diagonally across the corners. For more details kindly refer to the application method statement

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 that the application be done in a 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
While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use,and that this Data Sheet version is the latest one. The company are listed for guidance only. For more information, please contact the company's office in your location.

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