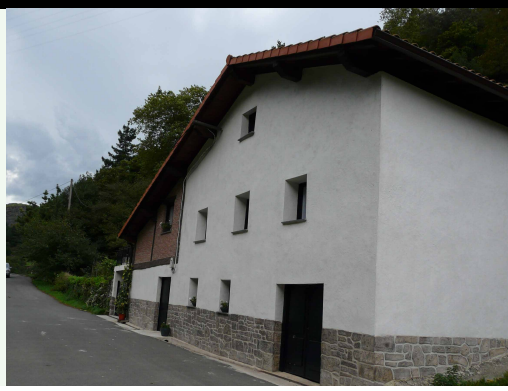
# EVO *Totem*

## High-performance polymer and fiber mortar for the **Pavi-Therm Sate system**

Special cement, mineral fillers, resins, fibers, and additives.



### Product

- Thermal and acoustic insulation system for outdoor use.
- For the installation and leveling of insulation boards.
- Excellent adhesion.
- Reinforced with fiberglass.
- Deformable and breathable.

### Remarks

- Wind causes less mortar open time and leads to less adhesion.
- Do not apply with risk of rain, ice, or thunder.
- Do not apply to degraded or weak mortars.

### Characteristics

- Resting time after kneading: 5 min.
- Plate grinding time: 15 min.
- Dough shelf life: approximately 1-2 hours.
- Thickness per layer: 3 - 5 mm

*** These times can vary considerably depending on the type of substrate and environmental conditions.*

### Features

- Kneading water (in laboratory): 25%
- Hang with 10 kg piece: 0 mm
- Concrete support adhesion: ≥1.5 MPa
- Ceramic support adhesion: ≥ 1 MPa
- Adhesion to XPS, EPS: ≥ 0.3 MPa
- Fiber cement adhesion: ≥ 0.3 MPa
- Wood adhesion OSB: ≥ 0.6 MPa
- Flexural strength: ≥ 6 N/mm2
- Compressive strength: ≥18 N/mm2
- Cross-sectional deformation: 2.8 mm
- Flammability: MO
- Determination of thermal conductivity: 0.038W/m·k

*** These results have been obtained under standard conditions and may vary depending on the implementation stage.*

### Applications

- High-performance fiberglass-reinforced polymer mortar for installing thermal insulation panels and leveling the support outdoors.
- For the repair and regularization of facades, walls... for restoration and new construction.

### Supports

- **Pavi-therm sate** system (XPS, EPS) mortar, concrete block, concrete walls, fiber cement, and OSB wood.

### Recommendations

- Application temperatures: 5-30ºC.
- The water percentage may vary depending on the mixer used.
- Always maintain the same water percentage.
- On absorbent and dry surfaces, moisten well before applying the mortar.
- The support must not have irregularities greater than 10 mm with a 2 m ruler.
- Repair degraded or loose areas with repair mortar **Pavigrout**.
- Do not apply in strong wind or direct sunlight.

### Execution conditions

- The support must be sturdy, fully set, and free of dust, oil, grease...
- Application thickness for plate fixation 2-4 mm. Thickness for leveling 3-5 mm per pass.
- For fiberglass mesh, an overlap of at least 10 cm with the consecutive mesh shall be foreseen.

# EVO *Totem*

High-performance fibered polymer mortar for **Pavi-Therm Sate system**



## Method of application

Mix the contents of the bag (25 kg) with 6-7 liters of clean water until you get a homogeneous, lump-free dough.

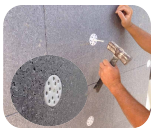
*Let rest for 5 minutes.





Apply mortar with a notched plate to small areas (2-3 m2), glue, and place the board.



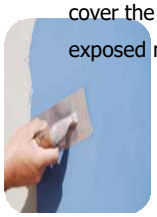


Once the boards with the intercalated joints and the dry mortar (≥24 hours) are placed, they will be drilled for the installation of the holding plug.



After approximately 24 hours, the surface will be adjusted and then with the fresh paste, spread the mesh along the entire surface. Once the surface is dry, a mortar coat will be applied to even out and cover the exposed mesh or some small irregularity.





Once the setting is complete, **TOTEM EVO** becomes a base suitable for any type of final finish.

## Associated products

*Pavi-therm (village)
*Mortecril
*Microcement




## Presentación

Saco de 25 kg

1200 kg pallet (48 bags)

## Color

White and gray

## Consumo

Fixation: 4-5 kg/m2
Regulation: 3-5 kg/m2

** These consumptions may vary depending on the installation process.*

## Conservación

In original sealed packaging, protected from moisture and weather: 1 year

## ⚠ IMPORTANT

The observations and specifications in this technical sheet, although based on our best experience, should in any case be considered purely indicative and must be proven by exhaustive practical applications; therefore, before using the product, the person who intends to do so must determine whether it

is suitable for the intended use and assumes all responsibility that may arise from its use. Once the product has been handled or applied, the manufacturer will not assume any claim, nor responsibility regarding the form, manner, and conditions of application.