

# RHÉAPÂTE PE

RHÉA 400 ETICS SYSTEM  
THIN ORGANIC RENDER



## EXCELLENT HANDLING

- ✓ RHÉA 400 system: insulation fixing and rendering
- ✓ Hydraulic or organic, glass paste and ceramic surface wall levelling

ETE / DTA



## PRODUCT INFORMATION

### Consumption

- For External Thermal Insulation:  
Panel bonding or blocking: 3 kg/m<sup>2</sup>, i.e. 3.5 kg of prepared product  
EPS panel rendering on standard parts: 4.1 kg/m<sup>2</sup>
- For wall levelling.:  
4.1 kg/m<sup>2</sup> (for 2 meshed layers).

### Storage

1 year in its unopened original packing and stored away from frost and high temperatures.

### Packaging

20 kg tub

## SPECIFICATIONS AND PERFORMANCES

**Appearance:** beige paste

**Composition:** aqueous dispersion resins, mineral fillers, fibres, additives, fireproofing

### PERFORMANCE MEASURED AT +20°C

Adherence of RHÉAPÂTE PE + cement mixture on concrete	≥ 0.25 MPa
Adherence on EPS	Higher than the EPS cohesion
European fire reaction classification	C-s2, d0

## FIELD OF USE

### Purpose

- Component of the **RHÉA 400** External Thermal Insulation system:
  - Bonding or blocking of insulation panels when mixed with cement
  - Thin organic sub render
- Other use: wall levelling before applying paint, organic or siloxane decorative render
- Solution for the repair of existing ETICS.

### Finishes

- CRÉPILOR T, TM, GT or GF.
- CRÉPILANE T or TM.
- LITHOCOLOR T or F.

### Authorised bases

- For ETICS (External Thermal Insulation): refer to CPT 3035\_v3 - September 2018, to the ETE and DTAs for the **RHÉA 400** System.
- For wall levelling: hydraulic or organic surfaces (including faience tiling), glass paste, ceramics.

### Unauthorised bases

- Expanded polystyrene casting blocks with grooved and smooth facing.
- Dovetailed expanded polystyrene panels.
- Horizontal or pitched outer parts at less than 45° from horizontal.

## APPLICATION

### Reference documents

- European Technical Approval Guide (ETAG) n°004: "Rendered external thermal insulation systems"
- European Technical Assessment **RHEA 400**: valid
- Technical Application Document **RHÉA 400**: valid
- European reaction to fire classification report (according to European standard 13501-1) **RHÉA 400**: valid
- CPT 3035\_v3 - September 2018

### Application conditions

- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

### Precautions for use

In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.

You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on [quickfds.com](http://quickfds.com).

### Base preparation

Refer to the current Technical Specifications and to the valid DTAs for the system.

### Product preparation

- **Bonding and blocking of EPS panels:**  
Add approx. 3 kg of cement (CEM II A or B 32.5 or 42.5) per 20 kg tub and mix with an electric mixer.
- **Rendering of EPS panels or wall levelling.:**  
Use the pure paste.  
Mix **RHÉAPÂTE PE** to the bottom of the tub.

### Application

WORKABLE TIME AT +20°C	
Time between applications	Fresh on fresh or next day application
Drying time before finishing	12 h minimum

### Application thicknesses and consumption

		MINIMUM CONSUMPTION	MINIMUM APPLICATION THICKNESS WHEN DRY
BASE LAYER	1 <sup>st</sup> reinforced layer:	2.6 kg/m <sup>2</sup>	2.5 mm
	2 <sup>nd</sup> reinforced layer	1.5 kg/m <sup>2</sup>	

- **For External Thermal Insulation:**  
Refer to the current DTA for the **RHEA 400** system and CPT 3035\_v3 - September 2018.
- **For levelling:**  
Render the surface using **RHÉAPÂTE PE** starting on one edge. Smooth carefully.
- **For reinforced levelling (on hydraulic or faïenced organic surfaces, on glass paste and ceramics):**  
Coat the surface with **RHÉAPÂTE PE** over a width of just over 1 m, starting at one edge.  
Adjust the thickness using a U6 comb (6x6x6 mm serrations).  
Position the certified 4 x 4 meshed glass fabric and embed it in the **RHÉAPÂTE PE**.  
Keep an overlap between bands of 10 cm.  
Fresh on fresh, apply a 2<sup>nd</sup> application of **RHÉAPÂTE PE** and smooth it carefully.  
Leave to dry for 24 hours, then turn the fabric over on lintels and sills.  
Note: This step can be avoided by using BAÉ meshed corner strips.  
Cut the protruding glass fabric using scissors or a cutter.
- Clean the tools with water while the product is fresh.