

1/2



EXTERNAL WALL INSULATION
PAREXLANKO



PRODUCT FEATURES

- ▶ Large variety of finishing options
- ▶ Excellent impact and crush resistance

REFERENCE DOCUMENTS

- ▶ European Technical Assessment ETA-04/0014
- ▶ Document Technique d'Application (DTA) 7/14-1574*V1
- ▶ FD DTU 45.3
- ▶ CSTB specifications 1833: Conditions of use for EWI systems, March 1983
- ▶ CSTB specifications 3035_V2: Technical recommendations, July 2013
- ▶ CSTB specifications 3699_V3: Application rules for seismic areas March 2014
- ▶ CSTB specifications 3709_V2: Application around exterior doors & windows, June 2015
- ▶ CSTB specifications 3714: Installation of fire protection strips, July 2012
- ▶ ETICS-EPS recommendations for façade fire protection, April 2016

PARISO PSE-M

DESCRIPTION

- External Thermal Insulation Composite System (ETICS) intended for concrete or masonry façades.
- System composed of expanded polystyrene insulation material (EPS) bonded or anchored to a substrate, a glass-fibre reinforced hydraulic base coat and a wide variety of finishing materials:
 - thick hydraulic render (rustic, knock-down or scraped finish),
 - thin mineral render (floated or smoothed finish),
 - silicone-silicate render (floated finish),
 - organic render (floated, ribbed or pebble-dash finish),
 - silicate paint (smooth finish),
 - sprayed marble aggregates,
 - Brick slips.

USES

- System intended for concrete or masonry façades (bare or covered), for new build or renovation work.
- For renovation purposes, **PARISO PSE-M** system can be applied to an existing EWI system with EPS insulation material.
- **PARISO PSE-M** system is not authorized for use on high-rise buildings (public access buildings over 28 m and accommodation buildings > 50 m).
- The use of brick slips is restricted to 3-storey buildings or less (with a maximum height of 9 m). Above this height, brick slips may only be used for certain limited areas of the façade (loggias, window surrounds, etc..).
- Please refer to the applicable building regulations (e.g. DTA in France) for full details of conditions for using EWI systems.

COMPONENTS

See table on next page.

INSTRUCTIONS

- Use of **PARISO PSE-M** system must comply with the specifications of CSTB guidelines 3035_V2 and 3709_V2 and applicable building regulations (DTA).
- In cases where Technical Instruction n°249 (IT 249) is applicable to building façades, the use of fire protection solutions must comply with the specifications of CSTB guidelines 3714 and all official recommendations pertaining to ETICS-EPS.
- Please also refer to the relevant product Technical Data Sheets.

PERFORMANCE CHARACTERISTICS

Impact resistance, fire resistance, wall types

- Performance will vary according to the chosen finish: *see table on next page.*

Thermal resistance

- Thermal resistance of **PARISO PSE-M** increases in line with the thickness of the insulation material. Please refer to the relevant ACERMI certification for further information on the thermal resistance of the material in question (thicknesses ranging from 20 to 300 mm).

Wind resistance

Bonded insulation material

- No usage limitation. Insulation materials with a thickness of more than 20 mm are suitable for bonding.

Anchored insulation material

- Wind resistance increases in line with the thickness of the insulation material and the number of wall-plugs used. Insulation material with a thickness of more than 60 mm can be anchored, with a minimum of 4 wall-plugs per panel.
- Please refer to the system's DTA for further information on wind resistance values.

Stability in seismic zones

- Specific usage instructions are applicable to **PARISO PSE-M** system:
 - finished with **EHI GM/GF** (rustic or knock-down rustic),
 - finished with brick slips.
- Please refer to the system's DTA for further information on these specific instructions. In all other cases, **PARISO PSE-M** system is suitable for use in seismic zones 1 to 4 on buildings of Occupancy Category I to IV. Seismic zones and occupancy categories are defined in CSTB specifications 3699_V3.

PARISO PSE-M

2/2

- (1) Certified by ACERMI with ISOLE usage profile:
I ≥ 2 - S ≥ 4 - O ≥ 3 - L ≥ 3(120) - E ≥ 2
- (2) ETA-certified wall-plugs
- (3) Reinforcement material certified by CSTBat:
T ≥ 1 - Ra ≥ 1 - M = 2 - E ≥ 2
- (4) Optional preliminary application of **SILICANE FOND**
- (5) Mandatory preliminary application of **SILICANE FOND** in 100% mix with **SILICANE PEINTURE**
- (6) Mandatory preliminary application of **REVLANE+ RÉGULATEUR**
- (7) In cold & damp weather 4 to 8% **PARITÉ+ ACCÉLÉRATEUR** may be added
- (8) Mandatory preliminary application of an additional coat of **MAITÉ** before the decorative coating
- (9) Refer to system DTA for information on permissible panels

- (1) Minimum reinforcement configuration: ST = single standard reinforcement; DT = double standard reinforcement; ARS = HP reinforcement + standard reinforcement
- (2) Euroclass according to Standard EN 13501-1+A1
- (3) Nature of render system according to § 3.3 of ETICS-EPS Recommendations Guide
- (4) Wall type resulting from application of system, with regard to exposure to rain. Wall types XI, XII and XIII are defined in CSTB specifications 1833; maximum permissible heights for each wall type are defined in CSTB specifications 1833 and in FR DTU 453
- (5) Laboratory appraisal

TECHNICAL ASSISTANCE: ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

TECHNICAL DATA SHEET ISSUED - September 2017

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at www.parexlanko.com

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Components

The components of **PARISO PSE-M** system are listed below. Please refer to the Technical Data Sheets for each product and the **PAREXLANKO** EWI Components Guide.

Adhesives, bracing products	MAITÉ: hydraulic mortar - 2.6 to 3.5 kg/m ² COLLE CCP+: hydraulic mortar - 2.6 to 3.5 kg/m ²
Insulation panels (1)	IPLB: white EPS, λ = 0,038 W/m.K, 1200 × 600 mm, smooth surface IPLG: graphite-enhanced EPS, λ = 0,031 W/m.K, 1200 × 600 mm, smooth surface
Mechanical fixings (2)	IFXV: screw-in wall-plugs, metal screws - 4 to 9 plugs per panel IFXF: hammer-in wall-plugs, metal or plastic nails - 4 to 9 plugs per panel
Base coat	MAITÉ: hydraulic mortar - 4.5 to 8.0 kg/m ²
Standard reinforcement (3)	IAVPC, IAVU: glass fibre mesh ≥ 160 g/m ² - 1.1 m ² /m ²
High-performance reinforcement	IAVR: glass fibre mesh ≥ 700 g/m ² - 1.0 m ² /m ²
Priming products	REVLANE+ RÉGULATEUR: organic regulator - 0.15 to 0.20 kg/m ² SILICANE FOND: silicate regulator - 0.10 to 0.15 kg/m ²
Finish coats	EHI GM/GF: thick hydraulic renders - 14 to 18 kg/m ² CALCIFIN (4): thin mineral render - 1.8 to 2.2 kg/m ² CALCILISSE (4): thin mineral render - 3.0 to 3.4 kg/m ² SILICANE TALOCHÉ FIN (5): silicate render - 1.5 to 2.0 kg/m ² REVLANE+ IGNIFUGÉ TALOCHÉ FIN (6,7): organic render - 2.2 to 2.5 kg/m ² REVLANE+ IGNIFUGÉ TALOCHÉ GROS (6,7): organic render - 2.7 to 3.0 kg/m ² REVLANE+ IGNIFUGÉ RIBBÉ FIN (6,7): organic render - 2.5 to 2.7 kg/m ² REVLANE+ SILOXANÉ IGNIFUGÉ TF (6,7): organic render - 2.2 to 2.5 kg/m ² GRANILANE+ (6): organic render with pebble-dash - 4.5 to 5.0 kg/m ²
Decorative coats (8)	SILICANE PEINTURE (5): silicate paint - 0.4 kg/m ² approx. MARBRI GRANULATS: sprayed marble aggregates - at least 8.0 kg/m ²
Brick slips	Wienerberger, Terreal, Briqueteries du Nord (9)
Accessories	Base rails, corner beads, drip rails, fire protection strips, weatherstripping products ...

Impact resistance, fire resistance, wall types

	IMPACT RESISTANCE (1)			FIRE RESISTANCE		WALL TYPE IN NEW BUILD (4)	
	Non-accessible façades	Private accessible façades	Public accessible façades	Fire reaction class (2)	Nature of render system (3)	on uncoated masonry	on coated masonry or concrete
EHI GM/GF	ST	ST	ST	B - s1, d0	§ 3.3.1	XII	XIII
REVLANE+ SILOXANÉ IGNIFUGÉ TF	ST	ST	ST	B - s2, d0	§ 3.3.3	XII	XIII
REVLANE+ IGNIFUGÉ TALOCHÉ FIN/GROS	ST	ST	DT	B - s2, d0	§ 3.3.3	XII	XIII
REVLANE+ IGNIFUGÉ RIBBÉ FIN	ST	ST	DT	B - s2, d0	§ 3.3.3	XII	XIII
CALCIFIN	ST	ST	DT	B - s2, d0	§ 3.3.2	XII	XIII
CALCILISSE	ST	DT	DT	B - s2, d0	§ 3.3.2	XII	XIII
SILICANE TALOCHÉ FIN	ST	DT	-	B - s2, d0	§ 3.3.2	XII	XIII
MAITÉ with SILICANE PEINTURE	ST	ST	DT	B - s2, d0	§ 3.3.2	XI	XII
GRANILANE+	ST	ST	ST	C - s2, d0	§ 3.3.3	XI	XII
MAITÉ with MARBRI aggregates	ST	ST	ARS	C - s2, d0	§ 3.3.2	XII	XIII
Brick slips	ST	ST	ST	B - s1, d0	APL (5)	XI	XII