

DECLARATION OF PERFORMANCE N. CPR-IT1/0954

- 1) Unique identification code of the product-type: **MAPETHERM MW SYSTEM**
- 2) Intended uses: **External Thermal Insulation Composite Systems (ETICS) with rendering on MW for the use as external insulation of building walls I**
- 3) Manufacturer: **MAPEI S.p.A. – Via Cafiero, 22 – 20158 Milan – Italy - www.mapei.it**
- 4) Systems of AVCP: **System 2+**
- 5) European Assessment Document: **EAD 040083-00-0404, released on January, 2019**
European Technical Assessment: **ETA 21/0950 issued on 04/09/2024**
Technical Assessment Body: **INSTITUT DE TECNOLOGIA DE LA CONSTRUCCIO DE CATALUNYA - ITEC**
Notified bodies: **INSTITUT DE TECNOLOGIA DE LA CONSTRUCCIO DE CATALUNYA - ITEC, N. 1220,**
- 6) Performances declared:

Essential characteristics	Performances
Reaction to fire Façade fire performance: Propensity to undergo continuous smouldering of ETICS Content, emission and/or release of dangerous substances –leachable substances Water absorption Water tightness of the ETICS: hygrothermal behaviour Water tightness: freeze-thaw behaviour Impact resistance Water vapour permeability:	Reaction to fire of the ETICS: Class A2-s1,d0. (using Class A2-s1,d0 or A1 insulation boards) NPD NPD NPD Water absorption of the base coat and the rendering system: < 0,5 kg/m² after 24 hours Water absorption of the insulation boards: According to the DoP of the insulation boards (see ETA 21/0950 tables A1.1 to A1.5). Pass, without defects Pass, freeze-thaw resistant. Category I (see ETA 21/0950 tables 4). Water vapour permeability of the rendering system: (see ETA 21/0950 tables 5a and 5b). Water vapour permeability of the insulation boards:

	According to the DoP of the insulation boards (see ETA 21/0950 tables A1.1 to A1.5).
Bond strength between base coat and insulation product:	< 80 kPa, cohesive failure in the insulation board
Wind load resistance	Pull-through test of the fixings: See see ETA 21/0950 section 3.3.2 and Annex 4. Static foam block test: NPD Dynamic wind uplift test: NPD.
Tensile strength perpendicular to the faces of insulation product	In dry conditions: TR7,5 and TR10 according to the DoP of the insulation boards In wet conditions: NPD
Render strip tensile test Bond strength after ageing	NPD < 80 kPa, cohesive rupture in the insulation boards.
Mechanical and physical characteristics of the mesh	Tensile strength of the glass fibre mesh : see ETA 21/0946 tables A3.1 and A3.2
Airborne sound insulation of ETICS	NPD
Dynamic stiffness of the thermal insulation product	NPD
Air flow resistance of the thermal insulation product	NPD
Thermal resistance and thermal transmittance of ETICS	Thermal resistance and thermal transmittance of the ETICS: See ETA 21/0950 section 3.4. Thermal resistance of the thermal insulation boards: According to the DoP of the insulation boards see ETA 21/0950 tables A1.1 to A1.5.

The product performances above declared refers to the system as described in ETA 21/0950 "Table 1: Components of the ETICS Mapetherm MW System"

The performance of the product identified above is in conformity with the set of declared performances.

This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Martino Lorenzo – Corporate Quality Management**

Milan, 05/09/2024



DoP in Pdf format are available in the Mapei website.

<i>Revision 1 notes:</i>	<i>ETA updated</i>
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REACH information on the components of the product:

- Insulation boards, fixings, Glass fibre mesh are article in accordance with Article 3 of the REACH Regulation (EC) no. 1907/2006 and pursuant to Article 31 and 33 of the above-mentioned Regulation does not require any Safety Data Sheet. While using the product, pay attention to the recommendations written in the Technical Data Sheet and to the safety requirements laid down in the workplace.
- For all the other components the information referred to Article 31 or, as appropriate, to Article 33 of the REACH Regulation (EC) no. 1907/2006 and following amendments are indicated in the safety data sheet that MAPEI makes available on the website along with this current Declaration of Performance.

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CPR-IT1/0954

EAD 040083-00-0404

MAPETHERM MW SYSTEM

External Thermal Insulation Composite Systems (ETICS) with rendering on MW for the use as external insulation of building walls I

Reaction to fire of the ETICS:

Class A2-s1,d0. (using Class A2-s1,d0 or A1 insulation boards)

NPD

NPD

NPD

Water absorption of the base coat and the rendering system:

< 0,5 kg/m² after 24 hours

Water absorption of the insulation boards:

According to the DoP of the insulation boards (see ETA 21/0950 tables A1.1 to A1.5).

Pass, without defects

Pass. freeze-thaw resistant.

Category I (see ETA 21/0950 tables 4).

Water vapour permeability of the rendering system:
(see ETA 21/0950 tables 5a and 5b).

Water vapour permeability of the insulation boards:
According to the DoP of the insulation boards
(see ETA 21/0950 tables A1.1 to A1.5).

< 80 kPa, cohesive failure in the insulation board

Pull-through test of the fixings:

See see ETA 21/0950 section 3.3.2 and Annex 4.

Static foam block test: NPD

Dynamic wind uplift test: NPD.

MAPETHERM MW SYSTEM
CE MARKING
Annex to DoP N. CPR-IT1/0954



Tensile strength perpendicular to the faces of insulation product	In dry conditions: TR7,5 and TR10 according to the DoP of the insulation boards In wet conditions: NPD
Render strip tensile test	NPD
Bond strength after ageing	< 80 kPa, cohesive rupture in the insulation boards.
Mechanical and physical characteristics of the mesh	Tensile strength of the glass fibre mesh : see ETA 21/0946 tables A3.1 and A3.2
Airborne sound insulation of ETICS	NPD
Dynamic stiffness of the thermal insulation product	NPD
Air flow resistance of the thermal insulation product	NPD
Thermal resistance and thermal transmittance of ETICS	Thermal resistance and thermal transmittance of the ETICS: See ETA 21/0950 section 3.4. Thermal resistance of the thermal insulation boards: According to the DoP of the insulation boards see ETA 21/0950 tables A1.1 to A1.5.

Note:

MAPEI supplies the current annex along with the DoP to make the consultancy of the CE marking easier for the international clients. The enclosed CE marking can be slightly different compared to the one printed on the relevant packaging or documentation because of:

- *NPD (No Performance Determined) values can be omitted by the CE marking,*
- *graphic adaptations due to lack of space on the packaging or printing methods used,*
- *different language (the same packaging can be shared by several countries),*
- *the product is already in stock when the updating of the CE marking is implemented,*
- *printing mistakes.*