



EU-Declaration of Performance

In accordance with Annex III of Regulation (EU) No.305/2011
and Commission Delegated Regulation (EU) No 574/2014

No. 2884-CPR-00157_MW_TH

1. Unique identification code of the product-type:

HYGROSMART COVER OVER SYSTEM (MW_TH)

2. Intended use:

External Thermal Insulation Composite Systems (ETICS) with renderings

3. Manufacturer:

**ALCHIMICA SA
7, Lampsakou Str.,
11528 Athens-Greece**

4. Systems of AVCP:

System 2+

5. European Assessment Document:

EAD 040083-00-0404

European Technical Assessment:

ETA-20/0644 of 09-08-2021

Technical Assessment Body:

Technical and Test Institute for Construction Prague (1020)

Notified body:

Business Quality Verification (2884)

6. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire of thermal insulation material	A1	EAD 040083-00-0404
Water absorption	After 1h: 0.01 kg/m ² After 24h: 0.19 kg/m ² (Base coat)	
	After 1h: 0.02 kg/m ² After 24h: 0.07 kg/m ² (Complete rendering)	
Hygrothermal behaviour	Resistant to hygrothermal cycles	
Freeze / thaw behaviour	Freeze / thaw resistant	
Impact resistance	Impact Resistance category III	
Bond Strength	Between the base coat and the thermal insulation product (mortar or paste): <u>MW lamellas</u> Initial state: ≥ 0.024 MPa After hygrothermal cycles: ≥ 0.021 MPa <u>MW boards</u> Initial state: ≥ 0.009 MPa After hygrothermal cycles: ≥ 0.006 MPa	
	Between the adhesive and the substrate: Initial state: ≥ 1.24 MPa Immersion 48h and 2h drying: ≥1.18MPa Immersion 48h and 7d drying: ≥1.56MPa	
	Between the adhesive and the thermal insulation product: Initial state: ≥ 0.023MPa Immersion 48h and 2h drying: ≥0.036MPa Immersion 48h and 7d drying: ≥0.037MPa	
Thermal resistance	≥ 1.00 [(m ² *K)/W]	

7. Appropriate Technical Documentation and/or Specific Technical Documentation:

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:

Krimizis Christos
 CEO

Athens 14/04/2022