



EU-Declaration of Performance

In accordance with Annex III of Regulation (EU) No.305/2011
(Construction Product Regulation)

No. ETA-20/0644_HYGROSMART COVER OVER SYSTEM MW

1. Unique identification code of the product-type:

No. ETA-20/0644_HYGROSMART COVER OVER SYSTEM MW

2. Intended use:

External Thermal Insulation Composite Systems (ETICS) with renderings

3. Manufacturer:

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

4. Authorized representative:

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5. Systems of AVCP:

System 2+

6. (a) Harmonized standard:

ETAG 004

Notified body/dies:

1020

(b) European Assessment Document:

040083-00-0404

European Technical Assessment:

ETA-20/0644 of 27-04-2021

Technical Assessment Body:

Technical and Test Institute for Construction Prague

Notified body:

1020

7. Declared performance

ETAG 004

Performance determined of
HYGROSMART COVER OVER SYSTEM MW

HYGROSMART TH PRIMER
GLASS FIBRE MESH FOR EXTERNAL INSULATION
PLASTIC ANCHORS
MINERAL WOOL (MW)
HYGROSMART TH 70
HYGROSMART TH PLASTER 1.0 or 1.2 or 1.5mm

Essential characteristics	Performance	Harmonized technical specification
Reaction to fire of thermal insulation material	A1	ETAG 004
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]	

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

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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 14/06/2021