



EU-Declaration of Performance

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

No. ETA-20/0642_HYGROSMART COVER OVER SYSTEM XPS

1. Unique identification code of the product-type:

No. ETA-20/0642_HYGROSMART COVER OVER SYSTEM XPS

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-20/0642 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 XPS

HYGROSMART TH PRIMER
GLASS FIBRE MESH FOR EXTERNAL INSULATION
PLASTIC ANCHORS
XPS FOR INSULATION
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 | E | ETAG 004 |
| Water absorption | After 1h: 0.03 kg/m ² After 24h: 0.19 kg/m ² (Base coat) | |
| | After 1h: 0.02 kg/m ² After 24h: 0.03 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): Initial state: ≥ 0.168 MPa After hygrothermal cycles: ≥ 0.28MPa | |
| | 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: ≥ 0.12MPa Immersion 48h and 2h drying: ≥ 0.10MPa Immersion 48h and 7d drying: ≥ 0.16MPa | |
| 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