

ALCHIMICA S.A.

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www.alchimica.com



EU-Declaration of Performance

For the product "**HYGROSMART – ADHESIVE TH**"
No 4P-0186

1. Unique identification code of the product-type:
EN 13499:2003 and ETAG 004

2. Intended use:
EN 13499:2003 and ETAG 004
Adhesive for installation of thermal insulation boards from extruded polystyrene (XPS), expanded polystyrene (EPS), mineral wool/rock wool (MW/RW) and polyurethane (PU) on building external facades and on concrete or plaster/render substrates

3. Manufacturer:
ALCHIMICA SA
7, Lampsakou str.
11528 Athens-Greece

4. Authorized representative:
-

5. Systems of AVCP:
System 4

6. (a) Harmonized standard:
EN 13499:2003 and ETAG 004
Notified body/dies:
2085

6. (b) European Assessment Document:

European Technical Assessment: **No 4P-0186/08102018**

Technical Assessment Body:
Eurotest-Control EAD
108 Besarabia St. 1517 Sofia Bulgaria

Notified body:
2085

Certified quality, environmental and occupational health & safety management systems:
ISO 9001/14001 & ISO 45001.

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7. Declared performance

EN 13499:2003 and ETAG 004Performance determined of **HYGROSMART – ADHESIVE TH**

| Essential characteristics | Performance | Harmonized technical specification |
|---|------------------------|---|
| Bond strength between adhesive and concrete substrate at standard conditions | 1.15 N/mm ² | according to ETAG 004 |
| Bond strength between adhesive and concrete substrate after immersion in water for 2 days and 2 hours drying at standard conditions | 1.09 N/mm ² | according to ETAG 004 |
| Bond strength between adhesive and concrete substrate after immersion in water for 2 days and 7 days drying at standard conditions | 1.26 N/mm ² | according to ETAG 004 |
| Bond strength between adhesive and EPS/XPS substrate at standard conditions: - EPS - XPS | 0.10 0.12 | according to ETAG 004 |
| Bond strength between adhesive and EPS/XPS substrate after immersion in water for 2 days and 2 hours drying at standard conditions: - EPS - XPS | 0.05 0.07 | according to ETAG 004 |
| Bond strength between adhesive and EPS/XPS substrate after immersion in water for 2 days and 7 days drying at standard conditions: - EPS - XPS | 0.09 0.10 | according to ETAG 004 |
| Reaction to fire | Euroclass A1 | |
| Dangerous substances | Does not contain | |

8. 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 07012020

Certified quality, environmental and occupational health & safety management systems:
ISO 9001/14001 & ISO 45001.

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