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**EU-Declaration of Performance**

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

**No: 4P-0186\_HYGROSMART – ADHESIVE TH**

1. Unique identification code of the product-type:

**4P-0186\_HYGROSMART – ADHESIVE TH**

2. Intended use:

**EN 13499:2003 and EAD 040083-00-0404**

**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:

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5. Systems of AVCP:

**System 4**

6. (a) Harmonized standard:

**EN 13499:2003 and EAD 040083-00-0404**

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.

7. Declared performance

**EN 13499:2003 and EAD 040083-00-0404**

Performance 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 <sup>2</sup> | according to EAD 040083-00-0404    |
| 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 <sup>2</sup> | according to EAD 040083-00-0404    |
| 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 <sup>2</sup> | according to EAD 040083-00-0404    |
| Bond strength between adhesive and EPS/XPS substrate at standard conditions:<br>- EPS<br>- XPS  | 0.10<br>0.12           | according to EAD 040083-00-0404    |
| Bond strength between adhesive and EPS/XPS substrate after immersion in water for 2 days and 2 hours drying at standard conditions:<br>- EPS<br>- XPS | 0.05<br>0.07           | according to EAD 040083-00-0404    |
| Bond strength between adhesive and EPS/XPS substrate after immersion in water for 2 days and 7 days drying at standard conditions:<br>- EPS<br>- XPS  | 0.09<br>0.10           | according to EAD 040083-00-0404    |
| 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 27/03/2023