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**EU-Declaration of Performance**

**No: 4P-0187\_HYGROSMART – ADHESIVE TH-70**

1. Unique identification code of the product-type:  
**4P-0187\_HYGROSMART – ADHESIVE TH-70**
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-0187/08102018**  
  
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-70**

Essential characteristics	Performance	Harmonized technical specification
Bond strength between adhesive and concrete substrate at standard conditions	1.24 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	1.18 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	1.56 N/mm <sup>2</sup>	according to EAD 040083-00-0404
Bond strength between adhesive and EPS/XPS substrate at standard conditions: - EPS - XPS	0.12 0.14	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: - EPS - XPS	0.09 0.12	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: - EPS - XPS	0.13 0.14	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