



**EU-Declaration of Performance**

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

**No: 2085-CPR-082\_HYGROSMART<sup>®</sup> BUILDING-45-THIXO**

1. Unique identification code of the product-type:  
**2085-CPR-082\_HYGROSMART<sup>®</sup> BUILDING-45-THIXO**
2. Intended use:  
**EN 1504-3:2005**  
**Concrete repair product for structural repair (CC) mortar, Type R4, Class III.**
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:  
**EN 1504-3:2005**  
Notified body/dies:  
**2085**
6. (b) European Assessment Document:  
European Technical Assessment: **2085-CPR-082/15.09.2021**  
Technical Assessment Body:  
**Eurotest-Control EAD**  
**108 Besarabia St. 1517 Sofia Bulgaria**  
Notified body:  
**2085**

7. Declared performance

**EN 1504-3:2005**

Performance determined of **HYGROSMART® BUILDING-45-THIXO**

Essential characteristics	Performance	Requirement	Harmonized technical specification
Capillary absorption	0.05 kg/m <sup>2</sup> .h <sup>0,5</sup>	<0.5	EN 1504-3:2005
Compressive strength	49.6 N/mm <sup>2</sup>	≥45	
Chloride ion content	<0.01%	≤0.05	
Adhesive bond	2.9 N/mm <sup>2</sup>	≥2.0	
Thermal compatibility	2.4 N/mm <sup>2</sup>	≥2.0	
Carbonation resistance	pass	$d_k \leq$ control concrete MC (0,45) for class R4	

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 15/09/2021