



EU-Declaration of Performance

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

No: 2928-CPR-55_HYGROSMART[®] BUILDING-45-THIXO

1. Unique identification code of the product-type:

HYGROSMART[®] 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. Systems of AVCP:

System 2+

5. (a) Harmonized standard:

EN 1504-3:2005

Notified body/dies:

2928

(b) European Assessment Document:

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European Technical Assessment: **2928-CPR-55/27.10.2022**

Technical Assessment Body:

**CERTMAT Ltd
Bulgaria, Sofia 1379, 32 Batolova Vodenitsa str.**

Notified body:

2928

6. Declared performance

Essential characteristics	Performance	Requirement	Harmonized technical specification
Capillary absorption	0.05 kg/m ² .h ^{0,5}	<0.5	EN 1504-3:2005
Compressive strength	49.6 N/mm ²	≥45	
Chloride ion content	<0.01%	≤0.05	
Adhesive bond	2.9 N/mm ²	≥2.0	
Thermal compatibility	2.4 N/mm ²	≥2.0	
Carbonation resistance	pass	d _k ≤ control concrete MC (0,45) for class R4	
Elastic modulus, GPa	pass	≥20	
Reaction to fire	Class A1	-	

7. 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 27/10/2022