



**EU-Declaration of Performance**

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

**No: CPR-4792\_HYGROSMART -S10**

1. Unique identification code of the product-type:

**CPR-4792\_HYGROSMART -S10**

2. Intended use:

**EN 998-01**

**General purpose mortar (GP), compressive strength type CSIV.**

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 998-01**

Notified body/dies:

**2001**

6. (b) European Assessment Document:

European Technical Assessment: **CPR-4792 / 11-12-2015**

Technical Assessment Body:

**CERECO S.A.  
72<sup>nd</sup> km. National Road Athens-Lamia  
Greece**

Notified body:

**2001**

7. Declared performance

**EN 998-01**

Performance determined of **HYGROSMART S10**

Essential characteristics	Performance	Harmonized technical specification
Determination of wet mortar cohesion with spreading table	175 mm	EN 998-01
Density of dry mortar	1550 kg/m <sup>3</sup>	
Bending strength	3 N/mm <sup>2</sup>	
Compression strength	8.7 N/mm <sup>2</sup> ( <b>CSIV</b> )	
Adhesion to concrete	0,8 N/mm <sup>2</sup>	
Thermal conductivity factor ( $\lambda_{10, dry}$ ) (P=50%)	0.57 w/mk	
Capillarity water absorption	0,7 Kg/(m <sup>2</sup> min <sup>0.5</sup> ) ( <b>W0</b> )	
Water-vapour diffusion factor ( $\mu$ )	< 14	
Water-soluble chlorides content	< 0,04 %	
Resistance to fire	Class A1	
Resistance (freeze/thaw cycles)	NPD Evaluation is based on the provisions valid at the intended place of mortar use	

NPD: No Performance Determined

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