



**EU-Declaration of Performance**

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

**No: PTD-024/23.08.2021\_ HYGROSMART® IMPER C-1K-ELASTIC**

1. Unique identification code of the product-type:  
**PTD-024/23.08.2021\_ HYGROSMART® IMPER C-1K-ELASTIC**
2. Intended use:  
**EN 14891:2012; EN 14891:2012/AC:2012**  
**Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives**
3. Manufacturer:  
**ALCHIMICA SA**  
**7, Lampsakou Str.,**  
**11528 Athens-Greece**
4. Authorized representative:  
-
5. Systems of AVCP:  
**System 3**
6. (a) Harmonized standard:  
**EN 14891:2012; EN 14891:2012/AC:2012**  
  
Notified body/dies:  
**2085**
6. (b) European Assessment Document: -  
  
European Technical Assessment: **PTD-024/23.08.2021**  
  
Technical Assessment Body:  
**Eurotest-Control EAD**  
**108 Besarabia St. 1517 Sofia Bulgaria**  
  
Notified body:  
**2085**

7. Declared performance

**EN 14891:2012; EN 14891:2012/AC:2012**

Performance determined of **HYGROSMART® -IMPER C-1K-ELASTIC**

Essential characteristics	Performance	Requirement	Harmonized technical specification
Initial tensile adhesion strength	1.4 N/mm <sup>2</sup>	≥0.5	EN 14891:2012/AC:2012
Durability of initial tensile adhesion against climate/heat ageing action	1.1 N/mm <sup>2</sup>	≥0.5	
Durability of initial tensile adhesion against water/humidity action	1.2 N/mm <sup>2</sup>	≥0.5	
Durability of initial tensile adhesion against contact with lime water	1.0 N/mm <sup>2</sup>	≥0.5	
Durability of initial tensile adhesion against freeze and freeze-thaw cycles	0.9 N/mm <sup>2</sup>	≥0.5	
Water tightness (water penetration at 150kPa for 7 days)	no penetration weight gain=7.6g	no penetration at 150kPa for 7 days, weight gain<20g	
Crack bridging ability	1.85 mm	≥0.75	
Tensile adhesion strength after contact with chlorinated water	0.8 N/mm <sup>2</sup>	≥0.5	
Crack bridging ability at low temperature (-5°C)	1.05 mm	≥0.75	

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 09/09/2021