



EU-Declaration of Performance

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

No: 20 11 740-7/06.03.2020
HYGROSMART –TH-EPS 80
HYGROSMART –TH-EPS 80G
HYGROSMART –TH-EPS 100

1. Unique identification code of the product-type:

20 11 740-7/06.03.2020
HYGROSMART –TH-EPS 80
HYGROSMART –TH-EPS 80G
HYGROSMART –TH-EPS 100

2. Intended use:

**Thermal insulation boards from expanded polystyrene (EPS) for use on building
facades for external thermal insulation composite systems (ETICS)**

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 13163:2012+A1:2015

Notified body/dies:

0919

6. (b) European Assessment Document:

European Technical Assessment:

No 20 11 740-7/06.03.2020

Technical Assessment Body:

GSH (Guteschutzgemeinschaft Hartschaum e.V.)

Notified body:

0919

7. Declared performance

EN 13163:2012+A1:2015

Performance determined of

HYGROSMART – TH-EPS 80
HYGROSMART – TH-EPS 80G
HYGROSMART – TH-EPS 100

Performance			Harmonized technical specification
EPS 80	EPS 80G	EPS 100	
$\lambda_D = 0.036 \text{ W/m.K}$ Euroclass E	$\lambda_D = 0.031 \text{ W/m.K}$ Euroclass E	$\lambda_D = 0.034 \text{ W/m.K}$ Euroclass E	EN 13163:2012 + A1:2015
$W_{ip} \leq 0.5 \text{ N/mm}^2$	$W_{ip} \leq 0.5 \text{ N/mm}^2$	$W_{ip} \leq 0.5 \text{ N/mm}^2$	
$f_{tk} \geq 0.02 \text{ N/mm}^2$	$f_{tk} \geq 0.02 \text{ N/mm}^2$	$f_{tk} \geq 0.02 \text{ N/mm}^2$	
$G_m \geq 1.0 \text{ N/mm}^2$	$G_m \geq 1.0 \text{ N/mm}^2$	$G_m \geq 1.0 \text{ N/mm}^2$	

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 24/06/2020