

- 1) Unique identification code of the product type: **NEOSTIR EPS 100, NEOSTIR EPS 100 ECO**
- 2) Intended use(s): **Thermal insulation for buildings**
- 3) Manufacturer: **SOPREMA S.r.l. - Via Industriale dell'Isola, 3 - 24040 Chignolo d'Isola (Italy)**
- 4) Authorised representative: **Not applicable**
- 5) System(s) of AVCP: **System 3**
- 6a) Harmonised standard: **EN 13163:2012 + A1:2015**  
 Notified body/ies: **n° 1597: ISTITUTO ITALIANO DEI PLASTICI (IIP)**  
**n° 0370: LGAI**

7) Declared performances:

Essential characteristics		Test method	Performance	Harmonised technical specification
Reaction to fire	Reaction to fire of the product as placed to the market	EN 13501-1	E	EN 13163:2012 + A1:2015
Glowing combustion	Continuous glowing combustion	(a)	NPD	
Water permeability	Long term water absorption by partial immersion	EN 12087	WL(P)0,5	
Release of dangerous substances to the indoor environment	Release of dangerous substances	(b)	NPD	
Thermal resistance	Thermal resistance and conductivity	EN 12667	$\lambda_D = 0,030 \text{ W/(m.K)}$ $d_N = 20 - 300 \text{ mm}$ $R_D = 0.65 - 10.00$	
	Thickness	EN 823	T1 dimensions 1000x500mm T2 other dimensions	
Water vapor permeability	Water vapor transmission	EN 12086	30-70	
Compressive strength	Compressive strength	EN 826	CS(10)100	
Tensile / bending strength	Bending strength	EN 12089	BS150	
	Tensile strength perpendicular to faces	EN 1607	TR150	
Durability of the reaction to fire against heat, weathering, ageing/degradation	Durability of the reaction to fire of the products as placed on the market against ageing/degradation	-	(c)	
Durability of the thermal resistance against heat, weathering, ageing/degradation	Durability of thermal resistance against ageing/degradation	-	(d)	
	Dimensional stability under specified conditions	EN 1604	DS(70,-)1	
	Dimensional stability under laboratory conditions	EN 1603	DS(N)2	
Durability of compressive strength against ageing/degradation	Compressive creep	EN 1606	NPD	
Impact noise transmission index (for floors)	Dynamic stiffness	EN 29052-1	NPD	
	Thickness	EN 12431	NPD	
	Compressibility	EN 12431	NPD	

NPD = no performance determined

- (a) An European test method is under development  
 (b) An European test method is under development  
 (c) Reaction to fire performance does not change with time  
 (d) Declared values of thermal conductivity do not change with time

8) Appropriate technical documentation and/or specific technical documentation: -

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) N°305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

**Mr. Bruno BROCCANELLO, Managing Director**  
**Chignolo d'Isola, 28/04/2021**

