

Unique identification code of the product type: **NEOSTIR EPS 150**

Intended use(s): **Thermal insulation for buildings**

Authorised representative: **Not applicable**

Manufacturer: **SOPREMA S.r.l.
Via Industriale dell'Isola, 3
24040 CHIGNOLO D'ISOLA - Italy**

System(s) of AVCP: **System 3**

Harmonised standard: **EN 13163:2012+A2:2016**

Notified body/ies: **n.b. 1597: ISTITUTO ITALIANO DEI PLASTICI
n.b. 0370: LGAI**

Essential characteristics	Test method	Performances	Harmonised technical specifications
Reaction to fire Reaction to fire of the product as placed to the market	EN 13501-1	Euroclass E	EN 13163:2012 + A2:2016
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 - Thermal conductivity Thickness	EN 12667 EN 12939 EN 823	$\lambda_D = 0,030 \text{ W/(m.K)}$ $d_N = 20 - 300\text{mm}$ $R_D = 0,65-10,00$ T1 dimensions 1000x500mm T1 other dimensions	
Water vapor permeability Water vapor transmission	EN 12086	30-70	
Compressive strength Compressive strength	EN 826	CS(10)150	
Tensile/bending strength Bending strength Tensile strength perpendicular to faces	EN 12089 EN 1607	BS200 TR200	
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)	
Durability of the thermal resistance against heat, weathering, ageing/degradation Dimensional stability under specified conditions	EN 1604	DS(70,-)1	
Durability of the thermal resistance against heat, weathering, ageing/degradation Dimensional stability under laboratory conditions	EN 1603	DS(N)2	
Durability of compressive strength against ageing/degradation Compressive creep	EN 1606	NPD	

Essential characteristics	Test method	Performances	Harmonised technical specifications
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) A test method is under development and the standard will be amended when this is available.
- (b) A test method is under development and the standard will be amended when this is available.
- (c) Reaction to fire performance of EPS products does not change with time.
- (d) Declared values of thermal conductivity of EPS products do not change with time

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) No 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, 01/10/2017

