

- 1) Unique identification code of the product-type: **SOPRA XPS 500, XPS 500**
- 2) Intended use/es: **Thermal insulation products for buildings**
- 3) Manufacturer: **SOPREMA - 14 rue de Saint-Nazaire, CS 60121, 67025 Strasbourg Cedex, France**
- 4) Authorised representative:
- 5) System/s of AVCP: **3**
- 6) Harmonised standard: **EN 13164:2012+A1:2015**  
 Notified body/ies: **1168 ; 1169 ; 1722 ; 0751 ; 0071 ; 0370 ; 1136 ; 1640**
- 7) Declared performance/s:

Essential characteristics (e)		Test Standard	Performance			Harmonised standard	
Thermal resistance - R <sub>D</sub>	Thermal resistance - R <sub>D</sub> and Thermal conductivity - λ <sub>D</sub>	EN 12667	λ <sub>D</sub> W/(m.K) <b>0,033</b> <b>0,034</b> <b>0,035</b> <b>0,036</b>	d <sub>N</sub> mm <b>40-80</b> <b>85-120</b> <b>130-200</b> <b>210-300</b>	R <sub>D</sub> m <sup>2</sup> .K/W <b>1,20-2,40</b> <b>2,50-3,55</b> <b>3,70-5,70</b> <b>5,80-8,30</b>	EN 13164:2012+A1:2015	
	Thickness - d <sub>N</sub>	EN 823	T1				
	Reaction to fire	Reaction to fire	EN 13501-1	E			
	Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics (a)	EN 13501-1	E			
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance - R <sub>D</sub> and thermal conductivity - λ <sub>D</sub>	EN 12667	λ <sub>D</sub> W/(m.K) <b>0,033</b> <b>0,034</b> <b>0,035</b> <b>0,036</b>	d <sub>N</sub> mm <b>40-80</b> <b>85-120</b> <b>130-200</b> <b>210-300</b>	R <sub>D</sub> m <sup>2</sup> .K/W <b>1,20-2,40</b> <b>2,50-3,55</b> <b>3,70-5,70</b> <b>5,80-8,30</b>		
	Durability characteristics (b)	EN 1604	DS(70,90)				
	Freeze-thaw resistance	EN 12091	FTCD1				
Compressive strength	Compressive stress or compressive strength (c)	EN 826	CS(10\Y)500				
Tensile/Flexural strength	Tensile strength perpendicular to faces	EN 1607	TR200				
Durability of compressive strength against ageing/degradation	Compressive creep	EN 1606	CC(2/1,5/50)180				
Water permeability	Long term water absorption by total immersion	EN 12087	WL(T)0,7				
	Long term water absorption by diffusion	EN 12088	WD(V)3 WD(V)2 WD(V)1	(40-55 mm) (60-75 mm) (80-300 mm)			
Water vapour permeability	Water vapour transmission	EN 12086	MU150				
Release of dangerous substances to the indoor environment	Release of dangerous substances (d)	---	NPD				
Continuous glowing combustion	Continuous glowing combustion (d)	---	NPD				

NPD = No performance determined

(a) The fire performance of XPS does not deteriorate with time.

(b) For dimensional stability thickness only.

(c) This characteristic also covers handling and installation.

(d) European test methods are under development.

(e) Also valid and applicable for multilayers.

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: **Imma HUERTAS, XPS Europe Production Director**  
 at: **Tarragona**  
 on: **27.02.2023**

