

Unique identification code of the product type: **XPS 500**

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

Manufacturer: **SOPREMA HOLDING
14, Rue de Saint Nazaire
67000 STRASBOURG
France**

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

Harmonised standard: **EN 13164:2012 + A1:2015**

Notified body/ies: **n.b. 1168: ASOCIACION PARA EL FOMENTO DE LA INVESTIGACIÓN Y LA TECNOLOGIA DE LA SEGURIDAD CONTRA INCENDIOS (AFITI-LICOF)
n.b. 1169: CEDEX - CENTRO DE ESTUDIO S Y EXPERIMENTACION DE OBRAS PUBLICAS
n.b. 1722: CEIS/CENTRO DE ENSAYOS, INNOVACION Y SERVICIOS**

Declared performances:

	Essential characteristics	Performances	Harmonised technical specifications
Reaction to fire	4.2.4 Reaction to fire of the product as placed to the market	Euroclasse E	EN 13164:2012 + A1:2015
Glowing combustion	4.3.12 Continuous glowing combustion	(a)	
Water permeability	4.3.7.1 Long term water absorption by total immersion	WL(T)0,7	
	4.3.7.2 Long term water absorption by diffusion	WD(V)3	
Release of dangerous substances to the indoor environment	4.3.10 Release of dangerous substances	(b)	
Thermal resistance	4.2.1 Thermal resistance – Thermal conductivity	$\lambda_D = 0,034 \text{ W/(m.K)}$ $d_N = 40 - 60 \text{ mm}$ $R_D = 1,20 - 1,80 \text{ m}^2.\text{K/W}$	
		$\lambda_D = 0,036 \text{ W/(m.K)}$ $d_N = 70 - 120 \text{ mm}$ $R_D = 1,95 - 3,35 \text{ m}^2.\text{K/W}$	
	4.2.3 Thickness	T1	
Water vapour permeability	4.3.9 Water vapour transmission	NPD	
Compressive strength	4.3.4 Compressive stress or compressive strength	CS(10\Y)500	
Tensile/flexural strength	D.2.1.6 Tensile strength for XPS multilayer products	NPD	
	4.3.5 Tensile strength perpendicular to faces	NPD	
Durability of the reaction to fire against heat, weathering, ageing/degradation	4.2.5.2 Durability of the reaction to fire of the products as placed on the market against ageing/degradation	(c)	

	Essential characteristics	Performances	Harmonised technical specifications
Durability of the thermal resistance against heat, weathering, ageing/degradation	4.2.5.3 Durability of thermal resistance against ageing/degradation	(d)	
	4.3.2 Dimensional stability under specified conditions	DS(70,90)	
	4.3.3 Deformation under specified compressive load and temperature	DLT(2)5	
	4.3.8 Freeze-thaw resistance	FTCD1	
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(2/1,5/50)180	

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 XPS products does not change with time.
- (d) Declared values of thermal conductivity of XPS products do not change with time after application of ageing procedures.

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:

Francisco Berenguer, Technical Manager
Vallmoll (Tarragona), 12/04/2017

