



DECLARATION OF PERFORMANCE

n° INSES104/a

Date: 16/10/2015

1) *Unique identification code of the product-type:*

XPS 700 | XPS-EN13164-T1-CS(10Y)700-WL(T)0.7-WD(V)3-FTCD1-DS(70,90)-DLT(2)5

Identification of the construction product:

XPS 700 | XPS-EN13164-T1-CS(10Y)700-WL(T)0.7-WD(V)3-FTCD1-DS(70,90)-DLT(2)5 (See label)

2) *Intended uses:*

ThIB.- Thermal insulation of buildings

3) *Manufacturer:*

TOPOX-FOAM S.L.U
Poligono Industrial « El Mas Vell »
Carrer de l'oli s/n
43144 Vallmoll (Tarragona, Espana)

4) *Authorised representative:*

Not applicable

5) *Systems of AVCP:*

AVCP System 3 for all characteristics

6a) *Harmonised standard:*

EN 13164:2012 + A1:2015

Notified bodies:

AFITI LICOF (notified body n° 1168), CEDEX (notified body n°1169) and CEIS (notified body n°1722) performed the determination of the product-type on the basis of type testing under system 3 for all characteristics and issued corresponding test reports.

7) *Declared performances:*

	Essential Characteristics	Performance	Harmonised technical specification
Reaction to fire	4.2.4 Reaction to fire of the product as placed to the market	Euroclasse E	EN 13501-1:2007 + A1:2010
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	EN 12087:2013
	4.3.7.2 Long term water absorption by diffusion	WD(V)3	EN 12088:2013

	Essential Characteristics	Performance	Harmonised technical specification								
Release of dangerous substances to the indoor environment	4.3.9 Release of dangerous substances	(b)									
Thermal Resistance	4.2.1 Thermal resistance – Thermal conductivity	OD = 0.034 W/m.K 60mm OD = 0.036 W/m.K from 80 to 120 mm <table border="1"> <thead> <tr> <th>d (mm)</th> <th>R (m2.K/W)</th> </tr> </thead> <tbody> <tr> <td>60</td> <td>1,80</td> </tr> <tr> <td>80</td> <td>2,20</td> </tr> <tr> <td>100</td> <td>2,80</td> </tr> </tbody> </table>	d (mm)	R (m2.K/W)	60	1,80	80	2,20	100	2,80	EN 12667:2002 / EN 12939:2002
	d (mm)	R (m2.K/W)									
60	1,80										
80	2,20										
100	2,80										
	4.2.3 Thickness	T1	EN 823:2013								
Water Vapour Permeability	4.3.9 Water vapour transmission	NPD	EN 12086:2013								
Compressive Strength	4.3.4 Compressive stress or compressive strength	CS(10Y)700	EN 826:2013								
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)									
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)	EN 1604:2013								
	4.3.3 Deformation under specified compressive load and temperature	DLT(2)5	EN 1605:2013								
	4.3.8 Freeze-thaw resistance	NPD	EN 12091:2013								
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	CC(2/1,5/50)180	EN 1606:2013								

- (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.

8) *Appropriate Technical Documentation and/or Specific Technical Documentation:*
 Not applicable

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:

In Vallmoll (Tarragona)
 General Manager, Jesus Ladera

