



## Declaration of Performance

009-BEW-2020/01/14

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

BEWiSynbra XPS 500, BEWiSynbra XPS 500PP

**Intended use:**

Thermal insulation for buildings

**Manufacturer:**

BEWi M-Plast Oy, P.O.Box 360 FI-06101 PORVOO, [www.bewisynbra.com](http://www.bewisynbra.com)

**System of AVCP:**

AVCP 3

**Harmonised standard:**

EN 13164:2012 + A1:2015

**Notified bodies:**

Eurofins Expert Services (nb. 0809) and Vilnius Gediminas Technical University (nb. 1688)

**Declared performance:**

Essential characteristics	Performance		
Reaction to fire	Reaction to fire		F
Water permeability	Long term water absorption after total immersion		WL(T)0,7
	Long term water absorption after diffusion		WD(V)1
Tolerances of length, width, squareness, flatness and thickness		Nominal length or width mm	
	Length or width mm	l or b ≤ 1500 mm	± 8
		l or b > 1500 mm	± 10
	Squareness mm/m	l or b ≤ 1500 mm	5
		l or b > 1500 mm	5
	Flatness mm/m	l or b ≤ 1500 mm	6
l or b > 1500 mm		6	
Thickness tolerance			T1
Thermal resistance	Thickness	Thermal conductivity	Thermal resistance R <sub>D</sub>
	50	λ <sub>D</sub> = 0,036	1,35
	60	λ <sub>D</sub> = 0,036	1,65
	70	λ <sub>D</sub> = 0,037	1,85
	80	λ <sub>D</sub> = 0,037	2,15
	100	λ <sub>D</sub> = 0,037	2,7
	120	λ <sub>D</sub> = 0,037	3,2
Compressive strength	Compressive stress or strength		CS(10\Y)500
Dimensional stability under specified temperature and humidity conditions	Durability characteristics		DS(70,90)
Durability of compressive strength against ageing and degradation	Compressive creep		CC(3,5/2/10)200
	Freeze-thaw resistance		FTCD2

Harmonized technical specification EN 13164:2012 + A1:2015

NPD = No Performance Determined

The performance of the product identified above is in conformity with the set of declared performances. 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:

Jouni Jokela, Production manager

Porvoo 14.01.2020



Jouni Jokela