



## Declaration of Performance

0084-BEW-2020/04/09

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

BEWi EPS 120 Rوتا

**Intended use:**

Thermal insulation for buildings

**Manufacturer:**

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

**System of AVCP:**

AVCP 3

**Harmonised standard:**

EN 13163:2015 + A1:2015

**Notified bodies:**

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

**Declared performance:**

Essential characteristics	Performance		Harmonized technical specification
Reaction to fire	Reaction to fire	F	EN 13163:2015 + A1:2015
Water permeability	Long term water absorption after total immersion	WL(T)3	
	Length tolerance	L(3)	
	Width tolerance	W(3)	
	Thickness tolerance	T(2)	
	Squareness tolerance	S(5)	
	Flatness tolerance	P(30)	
Thermal resistance	Thermal resistance	$\lambda_D = 0,036$	
	Thickness	Thermal resistance $R_D$	
	10	0,25	
	20	0,55	
	25	0,65	
	30	0,80	
	40	1,10	
	50	1,35	
	60	1,65	
	70	1,90	
	75	2,05	
	80	2,20	
	90	2,50	
	100	2,75	
	120	3,30	
	125	3,45	
	150	4,15	
	175	4,85	
	200	5,55	
	250	6,90	
	300	8,30	
Water vapour permeability	Water vapour transmission	NPD	
Compressive strength	Compressive stress at 10 % deformation	120 kPa	
Bending strength	Bending strength	170 kPa	
Dimension stability under specified temperature and humidity conditions	DS(N)5	Accepted	
	DS(23,90)	Accepted	
Durability of compressive strength against ageing and degradation	Compressive creep	CC(2/1/10)35	
	Freeze-thaw resistance	FTCI3	

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

A handwritten signature in blue ink, appearing to read 'Jouni Jokela', is written in a cursive style.

Porvoo 09.04.2020

Jouni Jokela