DECLARATION OF PERFORMANCE

PNP® XPS 300

1. UNIQUE IDENTIFICATION CODE OF THE PRODUCT-TYPE:	XPS–EN13164–T1–CS(10\Y)300–DS(70,90)–WL(T)0,7–TR400–WD(V)4–FTCD1 PNP®XPS 300
2. INTENDED USE:	Thermal insulation for buildings(ThIB)
3. MANUFACTURER:	PNP Orange Kft., H-8100 Várpalota, Fehérvári út 28/14, Hungary
4. AUTHORIZED REPRESENTATIVE:	Not relevant
5. SYSTEM OF AVCP:	System 3 as set out in Annex V of Regulation (EU) №305/2011 of the European Parliament and of the Council
6. HARMONIZED STANDARD:	EN13164:2012+A1:2015
7. NOTIFIED BODY:	No. 1434: POLSKIE CENTRUM BADAN I CERTYFIKACJI S.A. (Polish Centre for Testing and Certification), Jakuba Wejhera str. 18a, 80-346, Gdańsk, Poland

PNP thermal insulation

8. DECLARED PERFORMANCE OF PNP® XPS 300

ESSENTIAL CHARACTERISTICS			PERFORMANCE	HARMONIZED TECHNICAL SPECIFICATIONS
Reaction to fire		Euroclass	E	EN 13164:2012+A1:2015
Glowing combustion		No harmonized methods defined yet	NPD	
Dimensional tolerances		Class	T1	
Thermal resistance and thermal conductivity	Declared thermal conductivity λ_D [W/m·K]	Nominal thickness d_N [mm]	Declared thermal resistance R_D [m²·K/W]	
	0,034	20	0,55	
	0,034	30	0,85	
	0,034	40	1,15	
	0,034	50	1,45	
	0,034	60	1,75	
	0,034	80	2,35	
	0,034	100	2,90	
	0,035	120	3,40	
	0,035	150	4,25	
Compressive strength	Compressive strength or Compressive Stress at 10% deformation	CS(10\Y)	CS(10\Y)300 (≥300 kPa)	
Compressive creep	Compressive creep after relative deformation 50 years on 2%	CC(2/1,5/50)	NPD	
Tensile strength	Tensile strength perpendicular to faces	TR	TR400	
Water permeability	Long term water absorption	WL(T)	WL(T)0,7 (≤ 0,7 [Vol.-%])	
	Long term water absorption by diffusion	WD(V)	WD(V)4 (≤ 4,0 [Vol.-%])	
Water vapour permeability	Water vapour diffusion resistance factor	MU	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire of XPS products does not change with time			
Durability of thermal resistance against heat, weathering, ageing/ degradation/freeze thaw	Dimensional stability under specified conditions 70°C; 90% r.h.	DS	DS(70,90)	
	Deformation under specified compressive load of 40 kPa and temperature conditions at 70°C	DLT	NPD	
	Freeze-thaw resistance after long term water absorption by diffusion	FTCD	FTCD1	
	Freeze-thaw resistance after long term water absorption by total immersion	FTCI	NPD	
Dangerous substances	Release of dangerous substances to the indoor environment	–	–	

NPD = No Performance Determined

9. 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:
Lajos Bóna, Coordinator manager, PNP Orange Kft.
Hungary, Várpalota, 02 May 2023