

DECLARATION OF PERFORMANCE No EPS/ DWU-40/ 2025

1. Unique identification code of the product-type:

SEMPRE TERM FAÇADE EPS 040

2. Intended use/es: **Factory made expanded polystyrene (EPS) product - thermal insulation for buildings**

3. Manufacturer: **SEMPRE FARBY Sp. z o.o., ul. gen.J. Kuźtronia 60, 43 – 301 Bielsko – Biała**

4. Authorised representative: **NPD**

5. System/s of AVCP: **SYSTEM 3**

6a. Harmonised standard:

EN-13163: 2012 + A2:2016

TEST REPORT for assessment of performance No. 1020-CPR-070054475 from August 9, 2018

Notified body/ies:

Technical and Test Institute for Construction Prague, SÖE,

Notified body 1020 Branch 0700, Ostrava

6b. European Assessment Document:

European Technical Assessment: **NPD**

Technical Assessment Body: **NPD**

Notified body/ies: **NPD**

7. Declared performance/s:

Essential characteristic	Declared values		Harmonized technical specification
Thermal resistance	Thermal resistance and thermal conductivity	$R_D \geq$ values in Table 2 $\lambda_D \leq 0,040 \text{ W/m}\cdot\text{K}$	EN 13163:2012+ A2:2016
	Thickness	10 – 300 mm T(2) ($\pm 2\text{mm}$)	
Reaction to fire	Reaction to fire	E	
Durability of reaction to fire against heat, weathering, ageing/ degradation	Durability characteristic	E	
Durability Of thermal resistance against heat, weathering, ageing/ degradation	Thermal resistance and thermal conductivity	$R_D \geq$ values in Table 2 $\lambda_D \leq 0,040 \text{ W/m}\cdot\text{K}$	
	Durability characteristic	no property changes	

Compressive strenght	Compressive stress or compressive strenght	CS (10)50 (≥ 50 kPa)
Tensile/ Flexural strenght	Bending strenght	BS 75 (≥ 75 kPa)
	Tensile strenght perpendicular to faces	TR 100 (≥ 100 kPa)
Durability of compressive strenght against ageing. degradation	Compressive creep	NPD
	Freeze-thaw resistance	
	Long term thickness reduction	
Water permeability	Long term water absorption or by immersion	NPD
	Long term water absorption by diffusion	
Water vapour permeabiity	Water vapour transmission	NPD
Impact noise transmission nindex (for floors)	Dynamic stiffness	NPD
	Thickness d _L	
	Compressibility,	
Continuous glowing combustion	Continuous glowing combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD

EN 13163:2012+
A2:2016

Table no. 2. Thermal resistance

Thickness of board, [mm]	10	20	30	40	50	60	70	80	90
Thermal resistance R [m ² ·K/W]	0,25	0,50	0,75	1,00	1,25	1,50	1,75	2,00	2,25
Thickness of board, [mm]	100	110	120	130	140	150	160	170	180
Thermal resistance R [m ² ·K/W]	2,50	2,75	3,00	3,25	3,50	3,75	4,00	4,25	4,50
Thickness of board, [mm]	190	200	210	220	230	240	250	260	270
Thermal resistance R [m ² ·K/W]	4,75	5,00	5,25	5,50	5,75	6,00	6,25	6,50	6,75
Thickness of board, [mm]	280	290	300						
Thermal resistance R [m ² ·K/W]	7,00	7,25	7,50						

8. Appropriate Technical Documentation and/or Specific Technical Documentation: **NPD**

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:


KIEROWNIK LABORATORIUM
mgr Aleksandra Drózd

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[Name]

at Bielsko – Biała on 30.01.2025.