

DECLARATION OF PERFORMANCE

No. 33DOP-2023-EN

1. Unique identification code of the product type:

EKOPRODUR S10-HP

PCC_OCSFF_PU_EN14315_1_PX_001

2. Intended uses:

Construction Products: In-situ formed sprayed rigid polyurethane (PUR) foam products.

Intended uses: Thermal insulation of walls, ceilings, roofs and suspended ceilings.

3. Manufacturer:

PCC Prodex Sp. z o.o.

56-120 Brzeg Dolny, str. Henryka Sienkiewicza 4, Poland

4. System(s) of assessment and verification of constancy of performance:

System 3

5. Harmonized standard:

EN 14315-1:2013

6. Notified body:

Instytut Techniki Budowlanej (1488)

7. Declared performance:

Table 1 Declared Performance

Essential characteristics according to EN 14315-1:2013	Performance characteristics	Declared level/class
Reaction to fire	Reaction to fire	F
Water permeability	Short-term water absorption by partial immersion, W_p	1,5 kg/m ²
Thermal resistance	Thermal conductivity coefficient λ_D	0,038W/mK
	Thermal resistance R_D	Refer to table 2
Water vapor permeability	Water vapor diffusion resistance coefficient, μ	6
Compressive strength	Compressive stress at 10% relative deformation, σ_{10}	NPD
Durability of reaction to fire against ageing/degradation	Durability of properties	Does not deteriorate over time
Durability of thermal resistance against ageing/degradation	Thermal conductivity coefficient λ_D taking into account aging	$\lambda_D = 0,038W/mK$
	Thermal resistance R_D taking into account aging	Refer to table 2
	Dimensional stability	DS(70,90)4 DS(-20,-)4
Durability of compressive strength against ageing/degradation	Durability of properties	Does not decrease with time (remains constant or increases due to air diffusion into foam cells)
Continuous glowing combustion	Continuous glowing combustion	NPD

Table 2 Declared thermal resistance depending on the thickness of the product

d [mm]	90	95	100	110	120	130	140	150	160	170	180	190
R_D [(m ² K)/W]	2,368	2,500	2,632	2,895	3,158	3,421	3,684	3,947	4,211	4,474	4,737	5,000
d [mm]	200	210	220	230	240	250	260	270	280	290	300	310
R_D [(m ² K)/W]	5,263	5,526	5,789	6,053	6,316	6,579	6,842	7,105	7,368	7,632	7,895	8,158

The performance of the product identified above is in line 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 above.

On behalf of the manufacturer signed by:

Brzeg Dolny, 08.03.2023

Michał Smaruj
Technologist