



# DECLARATION OF PERFORMANCE

## No 11DOP-2020-EN

### 1. Unique identification code of the product type:

## EKOPRODUR S0340FL

PU EN14315-1-DS(TH)4-CCC4-CT3(20)-GT8(20)-TFT10(20)-FRC40(20)-W0,09-CS(10/Y)200-DLT(2)5-MU40-A3

### 2. Intended use:

Thermal insulating products for buildings. For professional usage as an in-situ formed sprayed rigid polyurethane (PUR) foam for buildings and industrial objects.

Intended uses: thermal insulation of floors, walls and ceilings.

### 3. Manufacturer:

PCC Prodex Sp. z o.o.

56-120 Brzeg Dolny, ul. Henryka Sienkiewicza 4

### 4. System of AVCP:

System 3

### 5. Harmonized standard:

EN 14315-1:2013-06

### Notified body:

No. 1023

Institute of Testing and Certification

763 02 Zlin, Czech Republic

**6. Declared performance:**

Essential characteristics in accordance with PN-EN 14315-1:2013-06	Performance
Reaction to fire	Class E
Short-term water absorption by partial immersion, $W_p$	0,09 kg/m <sup>2</sup>
Thermal resistance and thermal conductivity, declared aged heat transfer coefficient $\lambda_D$	For thickness $d_N < 80$ mm $\lambda_D = 0,027$ W/mK For thickness $80 \text{ mm} \leq d_N < 120$ mm $\lambda_D = 0,025$ W/mK For thickness $d_N \geq 120$ mm $\lambda_D = 0,024$ W/mK See Appendix 1
Water vapour diffusion resistance factor, $\mu$	MU40
Compressive stress at 10% deformation, $\sigma_{10}$	CS(10\Y)200
Durability of reaction to fire against ageing/degradation	Does not decrease with time
Durability of thermal resistance against ageing/degradation	Aged heat transfer coefficient $\lambda_D$ determined according to Annex C, predicting 25 years ageing
Durability of compressive strength against ageing/degradation	Does not decrease with time or improves due to air diffusion to foam cells
Continuous glow combustion	NPD

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

*Stanisław Myszor*

Stanisław Myszor  
Technologist

Brzeg Dolny, Poland 17.12.2020



PCC. synergies at work

PCC PRODEX Sp. z o.o., ul. Sienkiewicza 4, 56-120 Brzeg Dolny

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Issue date: 12.05.2020

Appendix 1. Insulation characteristics versus material thickness

$\lambda_d \left[ \frac{W}{mK} \right]$	d [mm]	R $\left[ \frac{m^2K}{W} \right]$	U $\left[ \frac{W}{m^2K} \right]$
0,027	20	0,741	1,350
0,027	30	1,111	0,900
0,027	35	1,296	0,771
0,027	40	1,481	0,675
0,027	50	1,852	0,540
0,027	55	2,037	0,491
0,027	60	2,222	0,450
0,027	65	2,407	0,415
0,027	70	2,593	0,386
0,027	75	2,778	0,360
0,025	80	3,200	0,313
0,025	85	3,400	0,294
0,025	90	3,600	0,278
0,025	95	3,800	0,263
0,025	100	4,000	0,250
0,025	110	4,400	0,227
0,024	120	5,000	0,200
0,024	130	5,417	0,185
0,024	140	5,833	0,171
0,024	150	6,250	0,160
0,024	160	6,667	0,150
0,024	170	7,083	0,141
0,024	180	7,500	0,133
0,024	190	7,917	0,126
0,024	200	8,333	0,120
0,024	210	8,750	0,114
0,024	220	9,167	0,109
0,024	230	9,583	0,104
0,024	240	10,000	0,100
0,024	250	10,417	0,096
0,024	260	10,833	0,092
0,024	270	11,250	0,089
0,024	280	11,667	0,086
0,024	290	12,083	0,083
0,024	300	12,500	0,080

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