

DECLARATION OF PERFORMANCE

No 02DOP-2019-EN

1. Unique identification code of the product type:

EKOPRODUR S0540

PU EN14315-1-DS(TH)3-CCC4-CT5(20)-GT12(20)-TFT14(20)-FRC50(20)-W0,11-CS(10/Y)300-DLT(1)5-MU165-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 roofs, foundations, floors.

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 1488

Instytut Techniki Budowlanej

00-611 Warszawa, ul. Filtrowa 1



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	0,11 kg/m ²
Thermal resistance and thermal conductivity, declared aged heat transfer coefficient λ_D	For thickness $d_N < 40$ mm $\lambda_D = 0,029$ W/mK For thickness $40 \text{ mm} \leq d_N < 60$ mm $\lambda_D = 0,028$ W/mK For thickness $d_N \geq 60$ mm $\lambda_D = 0,027$ W/mK See Appendix 1
Water vapour diffusion resistance factor, μ	MU165
Compressive stress at 10% deformation, σ_{10}	CS(10\Y)300
Durability of reaction to fire against ageing/degradation	Does not decrease with time
Durability of thermal resistance against ageing/degradation	Aged heat transfer coefficient λ_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:

Magdalena Wasielewska
Technologist

Brzeg Dolny, 16.10.2019

PCC PRODEX Spółka z o.o.
Technolog
M. Wasielewska
Magdalena Wasielewska



PCC. synergies at work

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

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Revision date: 16.10.2019

Appendix 1. Insulation characteristics versus material thickness

λ_b [W/(m*K)]	d [mm]	R [(m ² K)/W]	U [W/(m ² K)]
0,029	30	1,034	0,967
0,029	35	1,207	0,829
0,029	40	1,379	0,725
0,028	45	1,607	0,622
0,028	50	1,786	0,560
0,028	55	1,964	0,509
0,028	60	2,143	0,467
0,027	65	2,407	0,415
0,027	70	2,593	0,386
0,027	75	2,778	0,360
0,027	80	2,963	0,338
0,027	85	3,148	0,318
0,027	90	3,333	0,300
0,027	95	3,519	0,284
0,027	100	3,704	0,270
0,027	110	4,074	0,245
0,027	120	4,444	0,225
0,027	130	4,815	0,208
0,027	140	5,185	0,193
0,027	150	5,556	0,180
0,027	160	5,926	0,169
0,027	170	6,296	0,159
0,027	180	6,667	0,150
0,027	190	7,037	0,142
0,027	200	7,407	0,135
0,027	210	7,778	0,129
0,027	220	8,148	0,123
0,027	230	8,519	0,117
0,027	240	8,889	0,113
0,027	250	9,259	0,108
0,027	260	9,630	0,104
0,027	270	10,000	0,100
0,027	280	10,370	0,096
0,027	290	10,741	0,093
0,027	300	11,111	0,090

Prezes Zarządu
Krzysztof Bułka

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