

DECLARATION OF PERFORMANCE

Nr: CPR-2023-50Z-4

1. Unique identification code of the product-type:

Poliuretán Spray S50-Z-W / Isocianato H. PU EN14315-1-CCC4-CT3(22)-GT6(22)-TFT7(22)-FRB46(22)
 Poliuretán Spray S50-Z-S / Isocianato H. PU EN14315-1-CCC4-CT3(22)-GT7(22)-TFT8(22)-FRB46(22)

2. Intended use/es:

Thermal insulation for buildings

3. Manufacturer:

SYNTHESIA TECHNOLOGY EUROPE, S.L.U.
 Argent,3 - 08755 Castellbisbal (Barcelona-Spain)
www.synthesia.com

5. System/s of AVCP:

AVCP- System 3

6. Harmonised standard:

EN 14315-1: 2013 + NB-CPR/SG19-22/213r1 (12/12/2022)

Notified body/ies:

CEIS/Centro de ensayos, innovación y Servicios-Notified body Nr. 1722
 LGAI TECHNOLOGICAL CENTER, S.A/APPLUS - Notified body Nr. 0370

7. Declared performance/s:

ESSENTIAL CHARACTERISTICS		PERFORMANCE
Reaction to fire	Reaction to fire, Euroclasses	E
Water permeability	Short term water absorption by partial immersion (Wp; Kg/m ²)	≤0,2
Thermal resistance	Thermal resistance and thermal conductivity	See performance chart
Water vapour permeability	Water vapour transmission (μ)	≥70
Compressive strength	Compressive stress or compressive strength	CS(10\Y)200
Durability of reaction to fire against ageing/degradation	Durability characteristics	a
Durability of thermal resistance against ageing/degradation	Durability characteristics	b
Durability of compressive strength against ageing/degradation	Durability characteristics	c
Continuous glowing combustion	Continuous glowing combustion	d

a The reaction to fire performance of PU products does not decrease with time.

b The thermal resistance declared is determined with an ageing procedure.

c The compression strength of PU products does not decrease with time.

d No harmonised test method available.

PERFORMANCE CHART

Sprayed insulation foam product CCC4 system. Diffusion open faces.

e_p	25	30	35	40	45	50	55	60	65
λ _D	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028
R _D	0,90	1,05	1,25	1,45	1,60	1,80	1,95	2,15	2,35
e_p	70	75	80	85	90	95	100	105	110
λ _D	0,028	0,028	0,027	0,027	0,027	0,027	0,027	0,027	0,027
R _D	2,50	2,70	3,00	3,20	3,40	3,55	3,75	3,95	4,15
e_p	115	120	125	130	135	140	145	150	155
λ _D	0,027	0,026	0,026	0,026	0,026	0,026	0,026	0,026	0,026
R _D	4,30	4,70	4,90	5,10	5,30	5,45	5,65	5,85	6,05
e_p	160	165	170	175	180	185	190	195	200
λ _D	0,026	0,026	0,026	0,026	0,026	0,026	0,026	0,026	0,026
R _D	6,25	6,45	6,65	6,85	7,05	7,25	7,45	7,65	7,85

e_p Thickness; mm

λ_D Declared aged thermal conductivity; (W/mK)

R_D Thermal resistance level; (m²K/W)

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 manufactured by:

At Barcelona on 24/11/2023



Davidalleja

CEO

Synthesia Technology Europe, S.L.U