

DECLARATION OF PERFORMANCE

Nr: CPR-2018-503HFO-2

1. Unique identification code of the product-type:

Poliuretán Spray S-503 HFO-S
Poliuretán Spray S-503 HFO-W

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

Notified body/ies:

CEIS/Centro de ensayos, innovación y Servicios-Notified body Nr. 1722
LGAI THECNOLOGICAL 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 ($W_p; Kg/m^2$)	0,20
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	1,10	1,25	1,45	1,65	1,85	2,00	2,20	2,40
e_p	70	75	80	85	90	95	100	105	110
λ_D	0,028	0,028	0,026	0,026	0,026	0,026	0,026	0,026	0,026
R_D	2,55	2,75	3,10	3,25	3,45	3,65	3,85	4,05	4,25
e_p	115	120	125	130	135	140	145	150	155
λ_D	0,026	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
R_D	4,45	4,80	5,00	5,20	5,40	5,60	5,80	6,00	6,20
e_p	160	165	170	175	180	185	190	195	200
λ_D	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
R_D	6,45	6,65	6,85	7,05	7,25	7,45	7,65	7,85	8,05

e_p Thickness; mm

λ_D Declared aged thermal conductivity; (W/mK)

R_D Thermal resistance level; ($m^2 K/W$)

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 02/07/2021



Thomas Christensen
Managing Director
Synthesia Technology Europe, S.L.U.