DECLARATION OF PERFORMANCE

Nr: CPR-2016-383 HFO-7

1. Unique identification code of the product-type:

Poliuretan Spray S-383 HFO-S / Isocianato H. PU EN14315-1-DS(TH)4-CCC4-CT3(22)-GT10(22)-TFT11(22)-FRB38(22)-W0,2-CS(10\Y)200-MU70-A3
Poliuretan Spray S-383 HFO-W / Isocianato H. PU EN14315-1-DS(TH)4-CCC4-CT3(22)-GT8(22)-TFT9(22)-FRB38(22)-W0,2-CS(10\Y)200-MU70-A3

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

7. Declared performance/s:

ESSENTIAL CHARACTERISTICS		PERFORMANCE
Reaction to fire	Reaction to fire, Euroclasses	NPD
Water permeability	Short term water absorption by partial immersion (Wp; Kg/m2)	≤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 17/11/2023

David Palleja
CEO
Synthesia Technology Europe, S.L.U