DECLARATION OF PERFORMANCE

Nr: CPR-2013-OC008E-6

1. ***Unique identification code of the product-type:***

Poliuretan Spray S-OC-008E /Isocianato H. PU EN14315-1-CCC1-CT5(22)-GT11(22)-TFT14(22)-FRC8(22)-W3-MU5

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 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 (W_p; Kg/m^2)	3,0
Thermal resistance	Thermal resistance and thermal conductivity	See performance chart
Water vapour permeability	Water vapour transmission (μ)	5
Compressive strength	Compressive stress or compressive strength	NPD
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 CCC1 system. Diffusion open faces.

ep	35	40	45	50	55	60	65	70	75
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	0,90	1,05	1,15	1,30	1,45	1,55	1,70	1,85	1,95
ep	**80**	**85**	**90**	**95**	**100**	**105**	**110**	**115**	**120**
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	2,10	2,20	2,35	2,50	2,60	2,75	2,90	3,00	3,15
ep	**125**	**130**	**135**	**140**	**145**	**150**	**155**	**160**	**165**
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	3,30	3,40	3,55	3,70	3,80	3,95	4,10	4,20	4,35
ep	**170**	**175**	**180**	**185**	**190**	**195**	**200**	**205**	**210**
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	4,45	4,60	4,75	4,85	5,00	5,15	5,25	5,40	5,55
ep	**215**	**220**	**225**	**230**	**235**	**240**	**245**	**250**	**255**
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	5,65	5,80	5,95	6,10	6,20	6,35	6,45	6,60	6,75
ep	**260**	**265**	**270**	**275**	**280**	**285**	**290**	**295**	**300**
λ_D	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038	0,038
R_D	6,85	7,00	7,15	7,25	7,40	7,55	7,65	7,80	7,95

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 29/03/2021

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