

DECLARATION OF PERFORMANCE

Nr: CPR-2013-OC010-3

1. **Unique identification code of the product-type:**
Poliuretán Spray S-OC-010 /Isocianato H. PU EN14315-1-CCC1-CT4(22)-GT12(22)-TFT14(22)-FRB10(22)-W16-MU5
2. **Intended use/es:**
Thermal insulation for buildings
3. **Manufacturer:**
SYNTHESIA TECHNOLOGY EUROPE, S.L.U.
Argent,3 - 08755 Castellbisbal (Barcelona-España)
www.synthesia.com
5. **System/s of AVCP:**
AVCP- System 3 (4 RfF)
6. **Harmonised standard:**
EN 14315-1: 2013

Notified body/ies:
CEIS/Centro de ensayos, innovación y Servicios-Notified body Nr. 1722
FUNDACIÓN TECNALIA RESEARCH & INNOVATION - Notified body Nr. 1292
7. **Declared performance/s:**

ESSENTIAL CHARACTERISTICS		PERFORMANCE
Reaction to fire	Reaction to fire, Euroclasses	F
Water permeability	Short term water absorption by partial immersion (W_p ; Kg/m^2)	16,00
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.

e_p	35	40	45	50	55	60	65	70	75
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	0,95	1,10	1,25	1,40	1,55	1,70	1,85	1,95	2,10
e_p	80	85	90	95	100	105	110	115	120
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	2,25	2,40	2,55	2,70	2,85	2,95	3,10	3,25	3,40
e_p	125	130	135	140	145	150	155	160	165
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	3,55	3,70	3,85	3,95	4,10	4,25	4,40	4,55	4,70
e_p	170	175	180	185	190	195	200	205	210
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	4,80	4,95	5,10	5,25	5,40	5,55	5,70	5,80	5,95
e_p	215	220	225	230	235	240	245	250	255
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	6,10	6,25	6,40	6,55	6,70	6,80	6,95	7,10	7,25
e_p	260	265	270	275	280	285	290	295	300
λ_D	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036	0,036
R_D	7,40	7,55	7,70	7,80	7,95	8,10	8,25	8,40	8,55

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 13/12/2018



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