

## DECLARATION OF PERFORMANCE

Nr: CPR-2016-35RGB/ECO-2

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

Poliuretán Spray S-35RGB/ECO /Isocianato H.

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](http://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 ( $\mu$ )	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

<sup>a</sup> The reaction to fire performance of PU products does not decrease with time.

<sup>b</sup> The thermal resistance declared is determined with an ageing procedure.

<sup>c</sup> The compression strength of PU products does not decrease with time.

<sup>d</sup> 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
$\lambda_D$	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	1,80	2,00	2,20	2,35
$e_p$	70	75	80	85	90	95	100	105	110
$\lambda_D$	0,028	0,028	0,026	0,026	0,026	0,026	0,026	0,026	0,026
$R_D$	2,55	2,75	3,05	3,25	3,45	3,65	3,85	4,00	4,20
$e_p$	115	120	125	130	135	140	145	150	155
$\lambda_D$	0,026	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
$R_D$	4,40	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
$\lambda_D$	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
$R_D$	6,40	6,60	6,80	7,00	7,20	7,40	7,60	7,80	8,00

$e_p$  Thickness; mm

$\lambda_D$  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 26/09/2018



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