

DECLARATION OF PERFORMANCE

Nr: CPR-2018-OC006-1

1. **Unique identification code of the product-type:**
Poliuretán Spray S-OC-006 /Isocianato H. PU EN14315-1-CCC1-CT5(22)-GT11(22)-TFT14(22)-FRB7(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 RtF)

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 | F |
| Water permeability | Short term water absorption by partial immersion ($W_p; Kg/m^2$) | 16,0 |
| 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.

| | | | | | | | | | |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| e_p | 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 |
| e_p | 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 | 2,25 | 2,35 | 2,50 | 2,60 | 2,75 | 2,90 | 3,00 | 3,15 |
| e_p | 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 |
| e_p | 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 | 4,50 | 4,60 | 4,75 | 4,90 | 5,00 | 5,15 | 5,25 | 5,40 | 5,55 |
| e_p | 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 | 6,05 | 6,20 | 6,35 | 6,45 | 6,60 | 6,75 |
| e_p | 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 | 7,90 |

e_p Thickness; mm

λ_D Declared aged thermal conductivity; (W/mK)

R_D Thermal resistance level; (m² 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 02/08/2018



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