

## UK DECLARATION OF PERFORMANCE

N°: UKDoP-OC008-2

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

Poliuretán Spray S-OC-008 /Isocianato H. H. PU EN14315-1-CCC1-CT5(22)-GT12(22)-TFT14(22)-FRC7,5(22)-W5-MU2

**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. Designated standard:**

BS 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) | ≤5                    |
| Thermal resistance  | Thermal resistance and thermal conductivity                  | See performance chart |
| Water vapour permeability                                     | Water vapour transmission (μ)                                | ≥2                    |
| 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                     |

<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 CCC1 system. Diffusion open faces.

|                      |            |            |            |            |            |            |            |            |            |
|----------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>e<sub>p</sub></b> | <b>35</b>  | <b>40</b>  | <b>45</b>  | <b>50</b>  | <b>55</b>  | <b>60</b>  | <b>65</b>  | <b>70</b>  | <b>75</b>  |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 0,90       | 1,00       | 1,15       | 1,30       | 1,40       | 1,55       | 1,70       | 1,80       | 1,95       |
| <b>e<sub>p</sub></b> | <b>80</b>  | <b>85</b>  | <b>90</b>  | <b>95</b>  | <b>100</b> | <b>105</b> | <b>110</b> | <b>115</b> | <b>120</b> |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 2,05       | 2,20       | 2,35       | 2,45       | 2,60       | 2,75       | 2,85       | 3,00       | 3,10       |
| <b>e<sub>p</sub></b> | <b>125</b> | <b>130</b> | <b>135</b> | <b>140</b> | <b>145</b> | <b>150</b> | <b>155</b> | <b>160</b> | <b>165</b> |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 3,25       | 3,40       | 3,50       | 3,65       | 3,80       | 3,90       | 4,05       | 4,15       | 4,30       |
| <b>e<sub>p</sub></b> | <b>170</b> | <b>175</b> | <b>180</b> | <b>185</b> | <b>190</b> | <b>195</b> | <b>200</b> | <b>205</b> | <b>210</b> |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 4,45       | 4,55       | 4,70       | 4,85       | 4,95       | 5,10       | 5,20       | 5,35       | 5,50       |
| <b>e<sub>p</sub></b> | <b>215</b> | <b>220</b> | <b>225</b> | <b>230</b> | <b>235</b> | <b>240</b> | <b>245</b> | <b>250</b> | <b>255</b> |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 5,60       | 5,75       | 5,90       | 6,00       | 6,15       | 6,25       | 6,40       | 6,55       | 6,65       |
| <b>e<sub>p</sub></b> | <b>260</b> | <b>265</b> | <b>270</b> | <b>275</b> | <b>280</b> | <b>285</b> | <b>290</b> | <b>295</b> | <b>300</b> |
| λ <sub>D</sub>       | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      | 0,039      |
| R <sub>D</sub>       | 6,80       | 6,95       | 7,05       | 7,20       | 7,30       | 7,45       | 7,60       | 7,70       | 7,85       |

- e<sub>p</sub> Thickness; mm
- λ<sub>D</sub> Declared aged thermal conductivity; (W/mK)
- R<sub>D</sub> Thermal resistance level; (m<sup>2</sup>K/W)

**EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)**

**Signed for and on behalf of the manufactured by:**

At Barcelona on 26/06/2024



Davidalleja  
CEO  
Synthesia Technology Europe, S.L.U