

## DECLARATION OF PERFORMANCE

Nr: CPR-2023-50Z-3

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

Poliuretán Spray S50-Z-W / Isocianato H. PU EN14315-1-CCC4-CT3(22)-GT6(22)-TFT7(22)-FRB46(22)  
 Poliuretán Spray S50-Z-S / Isocianato H. PU EN14315-1-CCC4-CT3(22)-GT7(22)-TFT8(22)-FRB46(22)

**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](http://www.synthesia.com)

**5. System/s of AVCP:**

AVCP- System 3

**6. Harmonised standard:**

EN 14315-1: 2013 + NB-CPR/SG19-17/167r2 (24/01/2018)

**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 (Wp; Kg/m <sup>2</sup> )	0,2
Thermal resistance	Thermal resistance and thermal conductivity	See performance chart
Water vapour permeability	Water vapour transmission (μ)	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

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 CCC4 system. Diffusion open faces.

<b>e<sub>p</sub></b>	<b>25</b>	<b>30</b>	<b>35</b>	<b>40</b>	<b>45</b>	<b>50</b>	<b>55</b>	<b>60</b>	<b>65</b>
λ <sub>D</sub>	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028	0,028
R <sub>D</sub>	0,90	1,10	1,25	1,45	1,65	1,85	2,00	2,20	2,40
<b>e<sub>p</sub></b>	<b>70</b>	<b>75</b>	<b>80</b>	<b>85</b>	<b>90</b>	<b>95</b>	<b>100</b>	<b>105</b>	<b>110</b>
λ <sub>D</sub>	0,028	0,028	0,026	0,026	0,026	0,026	0,026	0,026	0,026
R <sub>D</sub>	2,55	2,75	3,10	3,25	3,45	3,65	3,85	4,05	4,25
<b>e<sub>p</sub></b>	<b>115</b>	<b>120</b>	<b>125</b>	<b>130</b>	<b>135</b>	<b>140</b>	<b>145</b>	<b>150</b>	<b>155</b>
λ <sub>D</sub>	0,026	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
R <sub>D</sub>	4,45	4,80	5,00	5,20	5,40	5,60	5,80	6,00	6,20
<b>e<sub>p</sub></b>	<b>160</b>	<b>165</b>	<b>170</b>	<b>175</b>	<b>180</b>	<b>185</b>	<b>190</b>	<b>195</b>	<b>200</b>
λ <sub>D</sub>	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
R <sub>D</sub>	6,45	6,65	6,85	7,05	7,25	7,45	7,65	7,85	8,05

- e<sub>p</sub> Thickness; mm
- λ<sub>D</sub> Declared aged thermal conductivity; (W/mK)
- R<sub>D</sub> Thermal resistance level; (m2K/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 28/09/2023



Davidalleja  
CEO  
Synthesia Technology Europe, S.L.U