

## DECLARATION OF PERFORMANCE

Nr: CPR-2013-OC008E-3

1. **Unique identification code of the product-type:**  
Poliuretán Spray S-OC-008E /Isocianato H. PU EN14315-1-CCC1-CT5(22)-GT11(22)-TFT14(22)-FRB8(22)-W3,5-MU5
2. **Intended use/es:**  
Thermal insulation for buildings
3. **Manufacturer:**  
SYNTHESIA INTERNACIONAL, S.L.U.  
Argent,3 - 08755 Castellbisbal (Barcelona-España)  
www.synthesiainternacional.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 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 ( $W_p; Kg/m^2$ )	3,5
Thermal resistance	Thermal resistance and thermal conductivity	See performance chart
Water vapour permeability	Water vapour transmission ( $\mu$ )	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

<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.*

$e_p$	<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>
$\lambda_D$	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
$e_p$	<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>
$\lambda_D$	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
$e_p$	<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>
$\lambda_D$	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
$e_p$	<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>
$\lambda_D$	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
$e_p$	<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>
$\lambda_D$	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
$e_p$	<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>
$\lambda_D$	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

$\lambda_D$  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 15/01/2018



Sergio Balcells Sanahuja  
Director General | CEO  
Synthesia Internacional, S.L.U.