

## DECLARATION OF PERFORMANCE

Nr: CPR-2020-35HFO/ECOPLUS-1

1. **Unique identification code of the product-type:**  
Poliuretán Spray S-35 HFO/ECOPLUS / 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/Aplplus- 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.*

$e_p$	<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>
$\lambda_D$	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	1,85	2,00	2,20	2,40
$e_p$	<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>
$\lambda_D$	0,028	0,028	0,026	0,026	0,026	0,026	0,026	0,026	0,026
$R_D$	2,55	2,75	3,10	3,25	3,45	3,65	3,85	4,05	4,25
$e_p$	<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>
$\lambda_D$	0,026	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
$R_D$	4,45	4,80	5,00	5,20	5,40	5,60	5,80	6,00	6,20
$e_p$	<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>
$\lambda_D$	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025	0,025
$R_D$	6,45	6,65	6,85	7,05	7,25	7,45	7,65	7,85	8,05

$e_p$  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 manufacturer by:***

At Barcelona on 20/11/2020



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