

DECLARATION OF PERFORMANCE

Nº 0007-01-CPR-2018

1. Unique identification code of the product-type:

Baymer Spray 280E : Desmodur 44V20L

Designation code: **PU EN 14315-1-CCC4-CT2(21)-GT5(21)-TFT8(21)-FRB39(21)-CS(10\Y)200-W0,25-MU95**

2. Intended use:

ThIB – Thermal Insulation for Buildings

3. Name and contact address of the manufacturer :

COVESTRO S.L.

Polígono Químico Sur (Acceso Vial dels Prats) - 43110 LA CANONJA (Tarragona), ESPAÑA

4. System of assessment and verification of constancy of performance:

System AVCP 3

5. Harmonized Standard: **EN 14315-1:2013**

Notified bodies:

APPLUS / LGAI Technological Center, S.A. (370)

(Performed task) Test reports on reaction to fire

(System of assessment) AVCP 3

(Test report) Informe 16/12017-526 Parte 2

CEIS / Centro de ensayos, innovación y servicios (1722)

(Performed task) test reports on the other declared characteristics

(System of assessment) EVCP 3

(Test report) Informe CAT0020/16-1

6. Declared performance

Essential characteristics	Performance	Harmonized technical specification
Thermal resistance	See performance chart	EN 14315-1:2013
Reaction to fire	E	EN 13501-1
Close cell content	≥ 90%, CCC – 4	EN 14315-1:2013
Water vapour permeability (expressed as water vapour resistance factor μ)	95	UNE-EN12086:2013
Compressive strength	≥ 200 kPa	UNE-EN 826:2013
Durability of reaction to fire against ageing/degradation	Reaction to fire does not decrease with time	EN 14315-1:2013
Durability of thermal resistance against ageing/degradation	See performance chart	EN 14315-1:2013
Durability of compressive strength against ageing/degradation	Compressive strength does not decrease with time	EN 14315-1:2013
Water permeability (expressed as short term water absorption by partial immersion in kg/m ²)	< 0,25	UNE-EN 1609:2013
Continuous glowing combustion	No performance declared (NPD)	No harmonized test method available

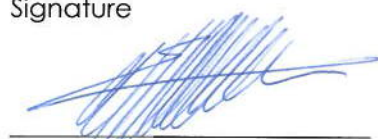
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Performance chart:

Type of facing: None or diffusion open		
Thickness	Declared aged thermal conductivity (λ_D)	Thermal resistance level (R_D)
	W/m·K	m ² ·K/W
30 mm	0,036	0,80
35 mm	0,036	0,95
40 mm	0,036	1,10
45 mm	0,036	1,25
50 mm	0,036	1,35
55 mm	0,036	1,50
60 mm	0,036	1,65
65 mm	0,036	1,80
70 mm	0,036	1,95
75 mm	0,036	2,05
80 mm	0,036	2,20
85 mm	0,036	2,35
90 mm	0,036	2,50
95 mm	0,036	2,60
100 mm	0,036	2,75
105 mm	0,036	2,90
110 mm	0,036	3,05
115 mm	0,036	3,20
120 mm	0,036	3,30
125 mm	0,036	3,45
130 mm	0,036	3,60
135 mm	0,036	3,75
140 mm	0,036	3,90
145 mm	0,036	4,00
150 mm	0,036	4,15
155 mm	0,036	4,30
160 mm	0,036	4,45
165 mm	0,036	4,60
170 mm	0,036	4,70
175 mm	0,036	4,85
180 mm	0,036	5,00
185 mm	0,036	5,15
190 mm	0,036	5,25
195 mm	0,036	5,40
200 mm	0,036	5,55

- The performance of the product identified above (see clause 1) is in conformity with the set of declared performances (see clause 6).
- This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above (see clause 3).
- Signed for and on behalf of the manufacturer by:

Signature



Dr. Benjamin Meseguer Vidagany
 Head Research&Development
 Covestro, S.L.
 Polyurethane Systems Iberia

Place and date of emission

Tarragona (Spain), 16-07-2018

