

PRODUCT DECLARATION OF PERFORMANCE

According to ANNEX III of Regulation (EU) No. 305/2011

No. DoP Firefilm A6 B01908000X2FD /2024/11

Date of issue; **16/12/2024**

Replaces; No. DoP-2812-CPR-GA5044 of 28/01/2021

1. Unique product identification code - type:

FIREFILM A6

2. Intended use(s):

Water-based intumescent coating for contribution to fire resistance for the conditions:

- Indoor and semi-exposed conditions (Y). Semi-exposed conditions include temperatures below 0°C, but not exposure to rain and limited UV exposure.
- Indoor conditions excluding temperatures below 0°C, with high humidity (Z₁).
- Indoor conditions excluding temperatures below 0°C, with humidity classes other than those indicated above (Z₂).

And the categories of use:

Type 4: Structural steel elements.

3. Manufacturer: Perlita y Vermiculita, S.L.U. (Carboline Division)

C/Aljibe, nº19. Pol. Industrial Ctra. De la Isla
41703 Dos Hermanas (Sevilla) España

<http://sp.carboline.com>

4. Authorised representative: Perlita y Vermiculita, S.L.U. (Carboline Division)

Garraf s/n, Polígono Industrial Can Prunera
E-08759 Vallirana (Barcelona) Spain

<http://sp.carboline.com>

5. System of Assessment and Verification of Constancia de Prestaciones:

System 1: Certification of product conformity by a notified body.

6. European Assessment Document; EAD 350402-00-1106

European Technical Assessment; ETA 20/1200 of 18.12.2020

Technical Assessment Body; Element Materials Technology Rotterdam B.V.

Notified Body(ies); No. 2812 - Element Materials Technology Rotterdam B.V.

EC Proof of Performance Certificate No. 2812-CPR-GA5044

7. Declared benefits:

Key features	Services	Harmonised technical specifications
BWR1: Mechanical strength and stability;		
Mechanical strength and stability	Not applicable (NPD)	
BWR2: Fire safety;		
Reaction to fire	Class E/EFL/FL with finishes TS134, TS 815, TS 816 (EN 13501-1)	ETA 20/1200 of 18.12.2020
Fire resistance	This characteristic depends on the system tested. The performance of the tested product is demonstrated and provided by the manufacturer, in accordance with the intended use in this DoP and specified in ETA 20/1200. The performance categories are established and declared in a classification document in accordance with Part of EN 13501-2.	EAD 350402-00-1106. <i>Reactive coatings for fire protection of steel elements.</i>
BWR3: Hygiene, health and environment;		
Water permeability	NPD	ETA 20/1200 of 18.12.2020
Air permeability	NPD	EAD 350402-00-1106.
Emission of hazardous substances	Declaration of hazardous substances according to Regulation (EC) No. 2020/878. Classified, labelled and packaged according to (EC) 1272/2008.	
Basic work requirement	VOC emission test result after 28 days: VOC < 0.5 g/l, SCOV < 0.5 g/l,	R-value 0
BWR4: Safety and accessibility of use;		
Mechanical strength and stability (EOTA TR001:2003)	NPD	ETA 20/1200 of 18.12.2020
Impact/movement resistance (EOTA TR001:2003)	NPD	EAD 350402-00-1106.
Adhesion (EOTA TR001:2003)	NPD	
BWR5: Noise protection;		
Airborne Sound Insulation (EN 10140-2/EN ISO 717-1)	NPD	ETA 20/1200 of 18.12.2020
BWR6: Energy saving and thermal insulation;		
Thermal properties (EN 12664, EN 12667 or EN 12939)	NPD	ETA 20/1200 of 18.12.2020
Water vapour permeability (EN ISO 12572/EN 12086)	NPD	EAD 350402-00-1106.
General aspects of fitness for use;		

Identification (EAD 350402-00-1106, Annex E)	Thermo-analytical (TGA) and Infrared Spectroscopy (IR) analysis	ETA 20/1200 of 18.12.2020 EAD 350402-00-1106.
Durability and Maintenance (EAD 350402-00-1106, section 2.2.5)	Compatibility primer and topcoat Durability type Z2 Durability type Z1 Y-type durability	
Sustainable use of natural resources;		
Sustainable use of natural resources	NPD	

8. Adequate technical documentation or Specific technical documentation.

The performance of the above product is in accordance with the declared performance. In accordance with Regulation (EU) No 305/2011, this declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed on behalf of the manufacturer by;

Sales Engineering Manager
Javier Marin



Barcelona, 16/12/2024

Annex;

In accordance with Article of Regulation (EU) No. 305/2011, a Safety Data Sheet in accordance with (EL) No. 2020/878 is available on request.