

# PRODUCT DECLARATION OF PERFORMANCE

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

**No. DoP Charflame 14-00015 /2024/11**

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

Replaces; No. DoP-CE1219-CPD-0097 of 02/12/2020

## 1. Unique product identification code - type:

**CHARFLAME**

## 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. With approved sealing coatings.
- Indoor conditions excluding temperatures below 0°C, with high humidity (Z<sub>1</sub>).
- Indoor conditions excluding temperatures below 0°C, with humidity classes other than those indicated above (Z<sub>2</sub>).

And the categories of use:

Type 4: Structural steel elements.

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

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

<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 15/0146 of 02.07.2020

**Technical Assessment Body;** Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc)

**Notified body/ies;** No. 1219 - Instituto de Ciencias de la Construcción Eduardo Torroja (IETcc).

EC Proof of Performance Certificate No. CE1219-CPD-0097

## 7. Declared benefits:

Key features	Services	Harmonised technical specifications
<b>BWR1: Mechanical strength and stability;</b>		
<b>Mechanical strength and stability</b>	Not applicable (NPD)	
<b>BWR2: Fire safety;</b>		
Reaction to fire	Class F (EN 13501-1)	ETA 15/0146 of 02.07.2020
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 15/0146. The performance categories are established and declared in a classification document in accordance with the part of EN 13501-2.	<b>EAD 350402-00-1106.</b> <i>Reactive coatings for fire protection of steel elements.</i>
<b>BWR3: Hygiene, health and environment;</b>		
Water permeability	NPD	ETA 15/0146 of 02.07.2020
Air permeability	NPD	<b>EAD 350402-00-1106.</b>
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	The content of semi volatile organic compounds SVOC and volatile organic compounds VOC have not been determined according to EN 16516.	
<b>BWR4: Safety and accessibility of use;</b>		
Mechanical strength and stability (EOTA TR001:2003)	NPD	ETA 15/0146 of 02.07.2020
Resistance to impact/movement (EOTA TR001:2003)	NPD	<b>EAD 350402-00-1106.</b>
Adhesion (EOTA TR001:2003)	NPD	
<b>BWR5: Noise protection;</b>		
Airborne Sound Insulation (EN 10140-2/EN ISO 717-1)	NPD	ETA 15/0146 of 02.07.2020
<b>BWR6: Energy saving and thermal insulation;</b>		
Thermal properties (EN 12664, EN 12667 or EN 12939)	NPD	ETA 15/0146 of 02.07.2020
Water vapour permeability (EN ISO 12572/EN 12086)	NPD	<b>EAD 350402-00-1106.</b>
<b>General aspects of fitness for use;</b>		

Durability and Maintenance (EAD 350402-00-1106)	Compatibility primer and topcoat Durability type Z2 Durability type Z1 Y-type durability	ETA 15/0146 of 02.07.2020  <b>EAD 350402-00-1106.</b>
<b>Sustainable use of natural resources;</b>		
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 (EC) No. 2020/878 is available on request.