valchromat

DOP – Declaration of Performance
In accordance with EU Regulation No. 305/2011
DOP No. 05.01/2026

Product type: Dry-process wood fibreboard (MDF)

Technical class: **MDF.HLS**

Identification: **Valchromat Fire Retardant E05**

Intended use: Construction product for interior applications as a structural component in humid conditions

Manufactured by: **Valbopan – Fibras de Madeira, SA**

Quinta do Castelo, 2450-025 Famalicão da NZR, Portugal

System 1

Notified body Certif No. 1328 determined the technical class on the basis of type testing, calculations relating to the product type, tabulated values or descriptive product documentation, the initial inspection of the manufacturing plant and factory production control, and the continuous surveillance, assessment and evaluation of factory production control, and issued the certificate of conformity of factory production control: 1328-CPR-0188

Declared performance						
Characteristics	Standard	Performance				Harmonised technical specification
Thickness (mm)	EN 622-5	8	12	16	19	EN 13986 : 2004 + A1 : 2015
Density (kg/m³)	EN 323	830	800	780	770	
Bending strength (N/mm²)	EN 310	42	40	38	38	
Modulus of elasticity in bending (N/mm²)	EN 310	3400	3200	3100	3100	
Internal bond strength (N/mm²)	EN 319	0,80	0,80	0,75	0,75	
Thickness swelling (%)	EN 317	12	10	8	8	
Durability – Residual internal bond strength (N/mm²)	EN 321	0,30	0,25	0,20	0,20	
Durability – Residual swelling (%)	EN 317 EN 321	19	16	15	15	
Reaction to fire	EN 13501-1	B-s2, d0				
Formaldehyde emission	EN 717-1	E1 $\leq$0.062 mg/m³ ($\leq$ 0.05 ppm)				
Pentachlorophenol content (ppm)	EN 13986	< 5				

The performance of Valchromat Fire Retardant E05 conforms to the performance declared in the table.

The product complies with Regulation (EU) 2023/1464, amending Annex XVII to Regulation

(EC) No. 1907/2006 (REACH) as regards formaldehyde emissions.

This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer: Alexandra Gouveia (R&D Department)

Famalicão NZR, 21-07-2026 Graça Cáceres (Quality Department)