

**Product Type:** MDF

**Technical Class:** MDF.HLS

**Commercial name:** Valchromat Fire Retardant E05

**Intended use:** Construction – internal use as structural component in humid conditions

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

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

**AVCP system 1**

The notified body Certif Nr 1328 performed the determination of the product-type on the basis of type testing, calculations relating to the type, tabulated values or descriptive documentation of the product, the initial inspection of the site and control of factory production, and monitoring, evaluation and continuous appreciation of the factory production control and issued the certificate of conformity of production control at the factory: 1328-CPR-0188

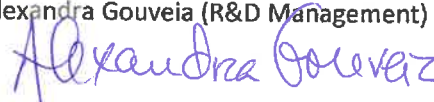
Declared Performance						
Characteristics	Standard	Performance				European Standard
Thickness (mm)	EN 622-5	8	12	16	19	EN 13986 : 2004 + A1 : 2015
Density (Kg/m <sup>3</sup> )	EN 323	850	820	800	790	
Bending Strength (N/mm <sup>2</sup> )	EN 310	42	40	38	38	
Modulus of Elasticity (N/mm <sup>2</sup> )	EN 310	3400	3200	3100	3100	
Internal Bond (N/mm <sup>2</sup> )	EN 319	0,80	0,80	0,75	0,75	
Swelling in Thickness (%)	EN 317	12	10	8	8	
Durability – Residual Internal Bond (N/mm <sup>2</sup> )	EN 321	0,30	0,25	0,20	0,20	
Durability – Residual Swelling in Thickness (%)	EN 317 EN 321	19	16	15	15	
Reaction to Fire	EN 13501-1	B-s2, d0				
Release of Formaldehyde	EN 13986 Annex B	< 0.05 ppm (EN 717-1)				
Content of Pentachlorophenol (ppm)	EN 13986	<5				

The performance of the product Valchromat FR E05 complies with the declared performance

This declaration of performance is issued under the sole the responsibility of Valbopan, SA.

Signed for and on behalf of the manufacturer:

Alexandra Gouveia (R&D Management)



Famalicão NZR, 04-06-2025

Graça Cáceres (Quality Management)

