



Issued according to Regulation EU CPR 305/2011

- DOP N°: DOP-06
1. Unique identification code of the product: NMW Water resistant melamine faced MDF panel 8 – 35 mm thickness
2. Intended use: Wood-based panels for internal use as non-structural components in humid conditions
3. Manufacturer name and address: CLEAF SpA, Via S. Ambrogio 18, 20846 Macherio (MB) - Italy
4. Product Performance Constance Evaluation and Verification System: System 4
5. Notified body: Not applicable
6. Harmonised standard: EN13986:2004+A1:2015
7. Declared performance:

TECHNICAL CHARACTERISTICS EN 13986:2004 +A1:2015	Standard	8-9 mm	10-12 mm	13-19 mm	20-30 mm	31-35 mm
Bending strength Min. [N/mm ²]	EN 310 EN 622-5	27	26	24	22	17
Internal bond (Tensile strength) Min. [N/mm ²]	EN 319 EN 622-5	0,80	0,80	0,75	0,75	0,70
Swelling in thickness after 24 h Max. [%]	EN 317 EN 622-5	12	10	8	7	7
Internal bond after cyclic test Min. [N/mm ²]	EN 321 EN 622-5	0,30	0,25	0,20	0,15	0,10
Swelling in thickness after cyclic test Max. [%]	EN 321 EN 622-5	19	16	15	15	15

MELAMINE FACED PANEL CHARACTERISTICS EN 13986:2004 +A1:2015	Standard	8 mm	9-14 mm	15-19 mm	20-30 mm	31-35 mm
Formaldehyde release	EN ISO 12460-3	≤ 3,5 mg/(m ² h), Class E1 (EN 13986)				
	EN ISO 16516	≤ 0,1 ppm, Class E1 (BAnz AT26.11.2018 B2 – E05)				
	ASTM E1333-96	≤ 0,11 ppm (CARB P2 – EPA TSCA Title VI)				
Reaction to fire (end use condition)	Standard	Classes of reaction to fire performance (Minimum density 600 kg/m ³)				
Without an air gap behind the panel ^{abe}	EN 13501-1 EN 13986	E	D-s2,d0	D-s2,d0	D-s2,d0	D-s2,d0
With an air gap ≤ 22 mm behind the panel ^{ce}		E	D-s2,d2	D-s2,d2	D-s2,d2	D-s2,d2
With a closed air gap > 22 mm behind the panel ^{de}	EN 13501-1	E	E	D-s2,d0	D-s2,d0	D-s2,d0

Any ^e	EN 13986	E
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- a. Mounted without an air gap directly against class A1 or A2-s1,d0 products with minimum density 10 kg/m³ or at least class D-s2,d2 products with minimum density 400 kg/m³.
- b. A substrate of cellulose insulation material of at least class E may be included if mounted directly against the wood-based panel, but not for floorings.
- c. Mounted with an air gap behind. The reverse face of the cavity shall be at least class A2-s1,d0 products with minimum density 10 kg/m³.
- d. Mounted with an air gap behind. The reverse face of the cavity shall be at least class D-s2,d2 products with minimum density 400 kg/m³.
- e. Veneered, phenol- and melamine-faced panels are included for class exc. floorings.

8. The performance of the product identified in points 1. e 2. is in conformity with the declared performance in point 7. This declaration is issued under the sole responsibility of the manufacturer identified in point 3.

Macherio 21/11/2023



Lorena De Sario
Quality and After Sales Service Manager