



**(EN) DECLARATION OF PERFORMANCE**

DOP\_3663602839941-CE

EN - Unique identification code of the product-type : 3663602839941

EN - Intended use: MDF 6 X 405 X 810MM

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EN - System(s) of assessment and verification of constancy of performance: System 4

EN - Harmonized standard: EN 13986:2004 + A1 2015

EN - Declared performance/s:

Declared performance: (covering a range of product - types MDF 1.8 mm to >45 mm\*)

Essential characteristics	Performance								
	Thickness(mm)								
	1.8 to 2.5	>2.5 to 4	>4 to 6	>6 to 9	>9 to 12	>12 to 19	>19 to 30	>30 to 45	>45
<sup>1</sup> Water vapour permeability $\mu$	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Release of formaldehyde (class E1 or E2)	E1	E1	E1	E1	E1	E1	E1	E1	E1
Release (content) of pentachlorophenol (PCP)	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm	≤5ppm
<sup>2</sup> Airborne sound insulation (surface mass) R (dB)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
<sup>3</sup> Sound absorption factor Frequency range 250Hz to 500Hz ( $\alpha$ )	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<sup>3</sup> Sound absorption factor Frequency range 1000Hz to 2000Hz ( $\alpha$ )	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
<sup>4</sup> Thermal conductivity $\lambda$ (W/mK)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Air permeability $V_0$ (m <sup>3</sup> /h)	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
<b>Durability</b>									
Internal bond (N/mm <sup>2</sup> )	0.65	0.65	0.65	0.65	0.60	0.55	0.55	0.50	0.50
Swelling in thickness 24 h (%)	45	35	30	17	15	12	10	8	6
Bending Strength (N/mm <sup>2</sup> )	23	23	23	23	22	20	18	17	15
Modulus of elasticity in bending (N/mm <sup>2</sup> )	-	-	2700	2700	2500	2200	2100	1900	1700
Biological	Use class 1								

<b>Reaction to fire</b>  (see notes to table for field of application details and associated documentation references)		Minimum thickness	Class (excluding floorings) <sup>g</sup>	Class (Flooring) <sup>h</sup>
	Without an air gap behind the panel <sup>abcef</sup>	9	D-s2,d0	D <sub>fi</sub> s1
	With a closed or open air gap ≤ 22mm behind the panel <sup>cef</sup>	9	D-s2,d2	-
	Closed air gap behind the panel <sup>def</sup>	15	D-s2,d0	D <sub>fi</sub> s1
	With an open air gap behind the panel <sup>def</sup>	18	D-s2,d0	D <sub>fi</sub> s1
	Any end use <sup>ef</sup>	3	E	E <sub>fl</sub>

a Mounted without an air gap directly against class A1 or A2-s1, d0 products with minimum density 10kg/m<sup>3</sup> or at least class D-s2, d2 products with minimum density 400 kg/m<sup>3</sup>.  
 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/m<sup>3</sup>.  
 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/m<sup>3</sup>.  
 e Veneered, phenol- and melamine-faced panels are included for class excl. floorings.  
 f A vapour barrier with a thickness up to 0,4 mm and a mass up to 200 g/m<sup>2</sup> can be mounted in between the wood-based panel and a substrate if there are no air gaps in between.  
 g Class Provided for in Table 1 of the Annex to decision 2000/147/EC  
 h Class Provided for in Table 2 of the Annex to decision 2000/147/EC

**NOTES TO TABLE**  
 1 Taken from Table 9 of EN 13986:2004+A1  
 2 Calculated according to clause 5.10 of EN 13986:2004+A1  
 3 Taken from Table 10 of EN 13986:2004+A1  
 4 Taken from Table 11 of EN 13986:2004+A1  
 5 reaction to fire classes from Table 1 of Commission Decision 2003/43/EC of January 2003 (OJEU L13 of 18.1.2003) corrected by Corrigendum (OJEU L33 of 8.2.2003) and amended by Commission decision 2007/348/EC of May 2007 (OJEU L131 of 23-05-2007); also reproduced in Table 8 of EN 13986:2004+A1:2015 for wood-based panels installed according to CEN/TR 12872

EN - The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of/Signé par et au nom de/Podpisano przez lub w imieniu/ Semnat pentru și în numele / adina ve adina imzalandi / Firmado por y en nombre de/ Assinado por e em nome de:

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