

COMPACMEL PLUS

DOWNLOAD
THE COMPLETE
TECHNICAL DATA SHEET



TEST	PROPERTY	THICKNESS (mm)		UNITS
		8	13	
EN 323	Density <small>(indicative information)</small>	>1000		kg/m ³
EN 319	Internal bond	1.8		N/mm ²
EN 310	Bending strength	50		N/mm ²
EN 310	Modulus of elasticity	5000		N/mm ²
EN 317	Thickness swelling in 24h	7		%
EN 318	Dimensional stability. Length / Width	0.4		%
EN 318	Dimensional stability. Thickness	6		%
EN 311	Surface soudness	1.7		N/mm ²
EN 322	Moisture content	7±3		%
ISO 3340	Silica content	<0.05		% by weight
EN 717-2	Formaldehyde emission	≤ 3,5 (E1 Class)		mg/m ² h
EN 13329	Edge swelling	10		%
EN 13986:2004	Reaction to fire (*)	D-s2, d2 (*)		Euroclass
EN 321/ EN 317	Accelerated aging test (opt. 1) Swelling after cyclic test (V313)	2		%
EN 321 / EN 319	Accelerated aging test (opt.1) Internal bond after cyclic test (V313)	0.60		N/mm ²
EN 1087-1 EN 319	Accelerated aging test (opt.2) Internal traction after cooking test (V100)	0.20		N/mm ²
TOLERANCE IN NOMINAL DIMENSIONS				
EN 324-1	Thickness	± 0.30		mm
EN 324-1	Length and width	+/- 2 mm/m max 5 mm		mm
EN 324-2	Squareness	± 2		mm/m
EN 324-2	Edge straightness	± 1.5		mm/m
COATING				
UNE-EN 14323	Resistance to scratching	≥2		n
UNE-EN 14323	Resistance to cracking	4		degree
UNE-EN 14323	Resistance to staining (group 3)	4		degree
UNE-EN 14323	Resistance to dry heat	4		degree
UNE-EN 14323	Resistance to impact	1500		mm
VISUAL DEFECTS				
UNE-EN 14323	Edge damage	≤10 (**), ≤3(***)		mm/m
UNE-EN 14323	Visual defects. Points	≤2		mm ² /m ²
UNE-EN 14323	Visual defects. Scratches	≤20		mm/m ²
	Abrasion resistance	Class	IP number of turns	WR number of turns
UNE-EN 14323	Abrasion resistance. Designs (inc. metallic)	1	<50	<150
UNE-EN 14323	Abrasion resistance. Solid colours	3A	>150	>350

(*) For confined air gap or outdoor air gap below or equal to 22mm behind the COMPACMEL PLUS ≥9 mm. E classification for any other use / thickness condition. According to decision 2007/348/EC.

(**) Commercial dimensions. (***) Boards cut to size.

These physical and mechanical values meet/improve the values set forth under European Standard EN 622-5:2009, Table 4. Requirements for general-purpose boards in humid environments (Type MDF.H). COMPACMEL PLUS meets the Class E1 requirements (analyzed according to Standard EN 120) set forth under European Standard EN 622-1:2003.