



TECHNICAL DATA SHEET  
**MELAMINE FACED TSS  
MDF BOARD PANELS**

Medium Density Fiberboard (MDF) for interior use. A melamine decorative surface is placed on its top side through a pressing process.  
Available on request: FSC-COC, water repellent and fire resistant.



**TECHNICAL CHARACTERISTICS**

RESISTANCE TO ABRASION	EN 14323	Printed Class 1, Unicolour Class 3A
RESISTANCE TO WATER STEAM	EN 14323	≥ Level 4
RESISTANCE TO SCRATCHES	EN 14323	≥ 1,5N
RESISTANCE TO STAINS	EN 14323	Group 1 & 2, class ≥ 4
RESISTANCE TO LIGHT	EN 14323	≥ 6 blue wool scale
RESISTANCE TO CRACKS	EN 14323	Class ≥ 3
RESISTANCE TO DRY HEAT	EN 12722	Class B
TENDENCY TO RETAIN DIRT	UNI 9300	Level ≥ 4

**MDF BOARD TECHNICAL CHARACTERISTICS**

Composition	Wood	Broadleaves and coniferous wood fibres	78 - 88%					
	Adhesive	Urea – formaldehyde glue	7 - 9%					
	Additives	Water	5 - 13%					
		Ammonium sulfate	0,2%					
Paraffin		Traces						
Density	EN 323	700-800 Kg/m <sup>3</sup>						
Moisture content	EN 322	4 - 11%						
Sand content	EN 3340	< 0,05 %						
Formaldehyde content	EN 120	Group E1	<8mg/100g					
	ASTM E1333-96	Group EPF-S (>8mm)	<5mg/100g					
Dimensional tolerances	Thickness vs. nominal value	EN 14323	≤15mm +/-0,2mm	>15mm +/-0,3mm				
	Thickness within the panel		+/-0,3mm					
	Length and width		+/-5mm					
Planarity (both sides melamine faced > 15mm)	EN 14323	≤2mm/m						
Surface defects	EN 14323	Spots: ≤2 mm <sup>2</sup> /m <sup>2</sup> Length: ≤20 mm/m <sup>2</sup>						
Requirements	Standard	>3mm ≤4mm	>4mm ≤6mm	>6mm ≤9mm	>9mm ≤12mm	>12mm ≤19mm	>19mm ≤30mm	>30mm
Elasticity modulus N/mm <sup>2</sup>	EN 310	> 3000	> 2700	> 2700	> 2500	> 2200	> 2100	> 1900
Internal bonding N/mm <sup>2</sup>	EN 319	≥ 0,65	≥ 0,65	≥ 0,65	≥ 0,60	≥ 0,55	≥ 0,55	≥ 0,50
Bending strength N/mm <sup>2</sup>	EN 310	≥ 23	≥ 23	≥ 23	≥ 22	≥ 20	≥ 18	≥ 15
Swelling 24 h	EN 317	≤ 35 %	≤ 30 %	≤ 17 %	≤ 15 %	≤ 12 %	≤ 10 %	≤ 8 %



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**ON REQUEST**

FIRE RESISTANT MELAMINE FACED MDF BOARD  
B-s2, d0 EN 13986 EN13501-1

FSC CERTIFIED MELAMINE FACED MDF BOARD  
FSC mix 75% ICILA-COC-000343



**STORAGE AND HANDLING**

Goods must be stored in a dry and ventilated place (relative air humidity 35%-65%). Do not store with inflammable substances. If exposed to direct sunlight, the laminate may deteriorate. Stacks should be stored correctly, at a manageable height to ensure stability. To avoid warping or damp stains, place the panels on pallets with adequate spaces. When handling the laminates, use suction pads or gloves. Machinery and equipment must be fitted with suitable aspiration systems.



**CLEANING & MAINTENANCE**

The melamine surfaces are the most resistant among those used in the furniture field. For cleaning, it is preferable to choose a detergent for domestic use. It is recommended that you avoid spraying products directly onto the surface, as this may leave stains and marks; instead, it is preferable to apply the detergent product on a soft damp cloth, clean the surface and then rinse it. Avoid using abrasive products, bleach or highly chlorinated products or acids.