

# TECHNICAL DATA SHEET

## MELAMINE FACED TSS

## MDF BOARD PANELS

Medium density fiber board to be used in internal place faced on the top side with melamine décor patterns throw a pressing process.

Available on request FSC-COC, water and fire resistant.



### SURFACE CHARACTERISTICS

RESISTANCE TO ABRASION	EN 14323	Printed Class 1, Solid colors Class 3A
RESISTANCE TO STEAM	EN 14323	≥ Level 4
RESISTANCE TO SCRATCH	EN 14323	≥ 1,5N
RESISTANCE TO STAIN	EN 14323	Group 1 e 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 KEEP DIRT	UNI 9300	Level ≥ 4

### MDF BOARD CHARACTERISTICS

Composition	Wood	Broadleaf and conifer wood fiber						78 - 88%	
	Adhesive	Urea – formaldehyde glue						7 - 9%	
	Additives	Water						5 - 13%	
		Ammonium sulphate						0,2%	
		Paraffin						Tracce	
Density		EN 323		700-800 Kg/m3					
Moisture content		EN 322		4 - 11%					
Sand content		EN 3340		< 0,05 %					
Formaldehyde content		EN 120		Classe E1		<8mg/100g			
		ASTM E1333-96		Classe EPF-S (>8mm)		<5mg/100g			
Dimension tolerances	Thicknes vs nominal value		EN 14323	≤15mm +/-0,2mm		>15mm +/-0,3mm			
	Thickness within same panel			+/-0,3mm					
	Lenght and width			+/-5mm					
Planarity (both sides melamine faced ≥ 15mm)			EN 14323		≤2mm/m				
Surface difects			EN 14323		Spots: ≤2 mm²/m²		Lenght: ≤20 mm/m²		
Requirements	Stand	>3mm ≤4mm	>4mm ≤6mm	>6mm ≤9mm	>9mm ≤12mm	>12mm ≤19mm	>19mm ≤30mm	>30mm	
Elasticity modulus N/mm²	EN 310	> 3000	> 2700	> 2700	> 2500	> 2200	> 2100	> 1900	
Internal bonding N/mm²	EN 319	≥ 0,65	≥ 0,65	≥ 0,65	≥ 0,60	≥ 0,55	≥ 0,55	≥ 0,50	
Bending strenght N/mm²	EN 310	≥ 23	≥ 23	≥ 23	≥ 22	≥ 20	≥ 18	≥ 15	
Swelling 24 h	EN 317	≤ 35 %	≤ 30 %	≤ 17 %	≤ 15 %	≤ 12 %	≤ 10 %	≤ 8 %	

## TECHNICAL DATA SHEET

# MELAMINE FACED TSS MDF BOARD PANELS



### 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

Keep the goods in a dry and ventilated place (relative humidity 35%-65%). Do not store with easily inflammable substances. If exposed to ultraviolet rays of the sun the panel may deteriorate. Avoid creating unmanageably high and unstable stacks. To avoid warping or damp stains place the panels on pallets with suitable spaces. Use suction pads or gloves when handling the panels. Machinery and equipments must be fitted with appropriate aspiration devices.



### CLEANING AND CARE

The melamine surfaces are the most resistant among the ones used in the furniture field. For cleaning use common detergent for domestic surfaces. It is suggested to avoid using of spray products directly on the surface as this can leave halos; it is preferred to apply the detergent on a soft damp cloth, clean and then rinse it. Avoid to use abrasive products, bleach or highly chlorate matters, acids.