



**MELAMINE FACED MDF PANEL
CATEGORY B
TECHNICAL DATA SHEET**



CODE: SK-Q-TDS-009

VERSION: 1

ISSUANCE DATE: JAN 31, 2023

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Medium Density Fiberboard (MDF) for interior use whose sides are covered by a melamine decorative paper through a pressing process.

SURFACE TECHNICAL CHARACTERISTICS*

PROPERTY	TEST	VALUE	UNIT
Nominal Thickness**	EN 14323	± 0.3	mm
Width**	EN 14323	± 5	mm
Length**	EN 14323	± 5	mm
Squareness	EN 324-2	≤ 2.0	mm/m
Edge Straightness	EN 324-2	≤ 1.5	mm/m
Flatness	EN 14323	≤ 2	mm/m
Edge Damage	EN 14323	≤ 10	mm
Surface Defects	EN 14323	Points: ≤ 2	mm ² /m ²
		Length: ≤ 20	mm/m ²
Resistance To Scratching	EN 14323	≥ 1.5	N
Resistance To Staining	EN 14323	≥ 3	Rating
Resistance To Cracking	EN 14323	≥ 3	Rating
Resistance To Abrasion	EN 14323	Class	IP
		1	< 50
		2	≥ 50
		3A	≥ 150
		3B	≥ 250
		4	≥ 350
Resistance To Steam	EN 438-2, 14	Appearance-Gloss Finish	≥ 3
		Appearance-Other Finish	≥ 4
Gloss	EN 14323	Matt: < 10 (± 3) Semi-matt: 10 – 30 (± 5) Semi-glossy: 30 – 70 (± 10) Glossy: > 70 (± 15)	Gloss Unit (GU)

*Values reported herein are related to a standard product brand extension and / or category. For more detailed information, please contact our sales office.

**The values of each product are indicated in the related brand's Technical Data Sheet.



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MEDIUM DENSITY FIBERBOARD CHARACTERISTICS***

PROPERTY	TEST	VALUE	UNIT
Density	EN 323	630 – 730	Kg/m ³
Moisture Content	EN 322	5 – 13	%
Swelling in Thickness 24h	EN 317	≤ 12	%
Internal Bond	EN 319	0.45 - 0.60	N/mm ²
Modulus of Rupture	EN 310	≥ 20	N/mm ²
Modulus of Elasticity in Bending	EN 310	≥ 2000	N/mm ²
Surface Soundness	EN 311	≥ 1000	N
Formaldehyde Emission	EN 717-1 / EN 12460-3	E2	Class
Face Screw Holding	EN 320	≥ 1000	N
Edge Screw Holding	EN 320	≥ 700	N

*** Medium Density Fiberboard Characteristics are set as per our supplier's declared specifications. Values reported herein for a thickness range of >12 - 19mm nominal thickness, for other ranges they are indicated in the related brand's Technical Data Sheet.

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 AND 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.

Saih Shuaib 3, Dubai Industrial City, Phase 2,
WHS no Q1 – Q2, P.O.BOX 33712, Dubai, UAE
T: (+971) 04 8786506 F: (+971) 04 8786071
www.salcoindustrial.com
info@salcoindustrial.com

Sama Industrial Park,
Istanbul Str. Exit 18, Riyadh, Saudi Arabia
T: (+966) 54 149 2425
www.lamintec.com
info@lamintec.com