

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 through 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/m ³ | | | | | | |
| 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 mm ² /m ² | | Lenght: ≤20 mm/m ² | | | | |
| Requirements | Stand | >3mm ≤4mm | >4mm ≤6mm | >6mm ≤9mm | >9mm ≤12mm | >12mm ≤19mm | >19mm ≤30mm | >30mm |
| Elasticity modulus N/mm ² | EN 310 | > 3000 | > 2700 | > 2700 | > 2500 | > 2200 | > 2100 | > 1900 |
| Internal bonding N/mm ² | EN 319 | ≥ 0,65 | ≥ 0,65 | ≥ 0,65 | ≥ 0,60 | ≥ 0,55 | ≥ 0,55 | ≥ 0,50 |
| Bending strenght N/mm ² | EN 310 | ≥ 23 | ≥ 23 | ≥ 23 | ≥ 22 | ≥ 20 | ≥ 18 | ≥ 15 |
| Swelling 24 h | EN 317 | ≤ 35 % | ≤ 30 % | ≤ 17 % | ≤ 15 % | ≤ 12 % | ≤ 10 % | ≤ 8 % |

CLEAF

thermo / structured / surface

CLEAF S.P.A.
via S.Ambrogio 18
20846 Macherio_MB_italy
tel. +39 039 2074
fax +39 039 2017820

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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.