



## melamine particle board technical data sheet

(builders, wardrobe, mattwood & primavera)

### Particleboard Type: P3 Melamine Faced - IOSMAT181

| Specifications |                                                                                         |             |                       |                                  |                        |                                                       |
|----------------|-----------------------------------------------------------------------------------------|-------------|-----------------------|----------------------------------|------------------------|-------------------------------------------------------|
| No             | Technical characteristics                                                               | Unit        | Thickness<br>8–15 mm  | Thickness<br>>15–20 mm           | Thickness<br>>25–28 mm | Standard requirement /<br>Test method                 |
| 1              | Tolerances on thickness<br>relative to nominal value                                    | mm          | - 0,3 / + 0,5         |                                  | ±0.5                   | EN 14322,<br>EN 14323                                 |
| 2              | Tolerances on length and<br>width<br>- Commercially available size,<br>- Pre-cut panels | mm          | ±5<br>±2.5            |                                  |                        | EN 14322,<br>EN 14323                                 |
| 3              | Flatness                                                                                | mm/m        | —                     | ≤2 (only for balanced surfaces)* |                        | EN 14322,<br>EN 14323                                 |
| 4              | Edge damage<br>- Commercially available size<br>- Pre-cut panels                        | mm          | ≤10<br>≤3             |                                  |                        | EN 14322,<br>EN 14323                                 |
| 5              | Surface defects                                                                         | mm²/m²      | Points ≤2, Length ≤20 |                                  |                        | EN 14322,<br>EN 14323                                 |
| 6              | Resistance to scratching                                                                | N           | ≥1.5                  |                                  |                        | EN 14322,<br>EN 14323                                 |
| 7              | Resistance to staining                                                                  | Rating      | ≥3                    |                                  |                        | EN 14322,<br>EN 14323                                 |
| 8              | Resistance to cracking                                                                  | Rating      | ≥3                    |                                  |                        | EN 14322,<br>EN 14323                                 |
| 9              | Resistance to abrasion<br>- Class 3A<br>- Class 3B                                      | Revolutions | ≥150<br>≥250          |                                  |                        | EN 14322,<br>EN 14323                                 |
| 10             | Formaldehyde release,<br>Class CARB P2+EPA                                              | mg/m³h      | ≤0.5                  |                                  |                        | IOS-MAT 0207,<br>vers.AA-2291517-4,<br>EN ISO 12460-3 |
| 11             | Formaldehyde release                                                                    | ppm         | ≤0.1                  |                                  |                        | IOS-MAT-181,<br>vers.AA-2183046-3,<br>EN 717-1        |

) \*: Equilibrated surfaces corresponds for boards covered on both sides, by the same foil.

**Note:** For the physical and dimensional properties, refers to the technical sheet for fiberboard type K MDF Nikpol - IOSMAT181, that constitutes the support.