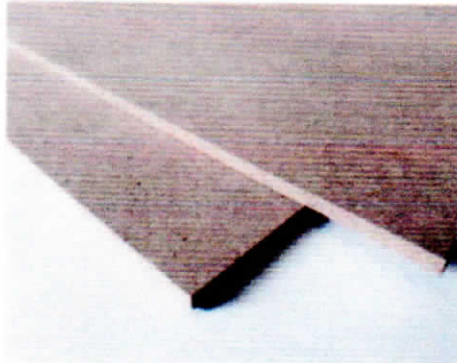


| | | | | |
|---|---|---|---|---|
|  |  | Eco P2 SPF <small>JQA 1Q1D06001-006</small> | No. P A R - 0 1 - T Q A - 0 0 4 | |
| | | | CARB <small>TPC8/CARB-ATCM / M005 - MDF002</small> | EPA <small>TPC8/EPA-TSCA / M005 - MDF002</small> |



Applications and Performance:

ECO P2 SPF is a multi-purpose, cost-effective board designed panel for applications in the dry indoor sector as defined in EN 622 parts 1 & 5 and conforms to EN 13986. Its good surface smoothness enables it to be individually coated with melamine films, laminates, veneers, foils or paints. This also includes joinery components, interior furniture fittings, exhibition stands and event furniture.

Advantages :

- ✓ Excellent profiling
- ✓ Lighter than normal MDF.
- ✓ Low transportation costs
- ✓ Engineering for online DIY product due it light weight.
- ✓ Able to prolong and reduced wear of i.e. routing tools, saw blade and others cutting tool .

Eco P2 according to EN 622-5

| Mechanical properties Board mean values | Unit | Board Thickness | | | | | |
|---|-------------------|-----------------|-------------|-------------|-------------|------------|-----------|
| | | ≥ 25 | 18 ≤ t < 25 | 15 ≤ t < 18 | 12 ≤ t < 15 | 9 ≤ t < 12 | 5 ≤ t < 9 |
| Density EN 323 | kg/m ³ | 600 | 620 | 630 | 650 | 690 | 710 |
| Internal Bond EN 319 | N/mm ² | ≥ 0.50 | ≥ 0.50 | ≥ 0.55 | ≥ 0.55 | ≥ 0.60 | ≥ 0.60 |
| Bending Strength EN 310 | N/mm ² | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 | ≥ 25 |
| Bending Young's Modulus EN 310 | N/mm ² | ≥ 2300 | ≥ 2300 | ≥ 2300 | ≥ 2300 | ≥ 2500 | ≥ 2500 |
| Thickness Swelling | % | ≤ 17 | ≤ 17 | ≤ 17 | ≤ 25 | ≤ 30 | ≤ 30 |
| Surface Soundness EN 311 | N/mm ² | 1.00 | | | | | |
| Board Moisture EN 322 | % | 8 ± 3 | | | | | |
| Wood Screw Holding Power EN 320 | Face | ≥ 700 | ≥ 700 | ≥ 700 | | | |
| | Edge | ≥ 500 | ≥ 500 | ≥ 500 | | | |

The result as listed above are based on the minimum specification requirement for all **ECO P2 SPF**. All board parameters are in compliance with EN622-5 parts 1 & 5. As part of the PT.SPF ongoing product development programme, the right to modify these product specifications without notice is reserved.

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| | | | | |
|---|--|--|-------------------------------------|---|
|  |  ISO 9001:2015 | Eco P2 SPF JQA ID06001-006 | No. PAR-01-TQA-004 | |
| | | | Tgl. Efektif : 16 September 2019 | Disetujui oleh:  QMR |
| CARB TPC&CARB-ATCM / M005 - MDF002 | | EPA TPC&EPA-TSCA / M005 - MDF002 | | |

| General tolerance | Unit | Board Thickness | | | | | |
|------------------------------------|-------------------|-----------------|-------------|-------------|-------------|------------|-----------|
| | | ≥ 25 | 18 ≤ t < 25 | 15 ≤ t < 18 | 12 ≤ t < 15 | 9 ≤ t < 12 | 5 ≤ t < 9 |
| Length and width tolerance EN 324 | mm | ± 2.00 mm/m | | | | | |
| Squareness EN 324 | mm | ± 2.0 | | | | | |
| Edge straightness tolerance EN 324 | mm | ± 2.0 | | | | | |
| Thickness tolerance EN 324 | mm | ± 0.15 | ± 0.15 | ± 0.15 | ± 0.20 | ± 0.20 | ± 0.20 |
| Density tolerance EN 323 | kg/m ³ | ± 30.0 | | | | | |
| Standard sanding | | K 150 | | | | | |

The product complies with the following emission:

** The product complies with the following emission class (es) :

CARB2 :

According to the California Air Resources Board (CARB) "Final Regulation Order AIRBONE TOXIC CONTROL MEASURE TO REDUCE FORMALDEHYDE EMISSION FROM COMPOSITE WOOD PRODUCT", California Code of Regulation 93120. 93120.12 title 17, article 93120.2(2) Phase 2 - using the chamber method according to ASTM D 6007 : 2014. MDF may not exceed 0.11 ppm (> 8 mm) or 0.13 ppm (≤ 8 mm).

TSCA :

In line with US EPA 40 CFR Part 770 "Formaldehyde Emission Standard for Composite Wood Product", Title VI Substance Control Act (TSCA). TSCA Title VI. Para 40 CFR Part 770.10(b), MDF may not exceed 0.11 ppm (> 8 mm) or 0.13 ppm (≤ 8 mm) , according to ASTM D 6007 : 2014 using the chamber method.

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