

P5_REP

Water resistant with low formaldehyde emission



/ DATA SHEET

Panel for internal use as a structural component in a humid environment (P5) made with resins with a low formaldehyde content
Panel compliant with the Japanese JIS standard, American standard US EPA TSCA Title VI and conforms to the Californian standard CARB P2 relating to formaldehyde emission

Panel with CE marking, compliant with the construction products regulation (CPR)

Certificate of conformity panel N. 0497/CPR/6376 issued by the Institute CSI in Bollate (MI) with System 2+ procedure

100% recycled product, certified FSC® and PEFC

Dimensions / WIDTH 186 - 207 - 220 cm / THICKNESS da 10 a 30 mm

| Formaldehyde Emissions* | | | | | |
|-------------------------|------------|------------------|-------------|----------------|------------------------|
| CLASS | RULE | METHODOLOGY | LIMIT VALUE | COMPARED TEST | LIMIT VALUE |
| F4 STARS | JIS A 1460 | ESSICCATORE | ≤ 0,3 mg/l | | |
| CARB P2 | ATCM | ASTM E1333 D6007 | ≤ 0,09 mg/l | EN ISO 12460-5 | ≤ 3 mg HCHO/100 gr dry |

| Mechanical characteristics* | | | | | | | |
|--|----------------------|-------------------|-------------------|-----------|------------|------------|------------|
| TRIAL NAME | METHODOLOGICAL RULES | PERFORMANCE RULES | MEASURE UNITS | > 9-13 mm | > 13-20 mm | > 20-25 mm | > 25-30 mm |
| Density | EN 323 | | Kg/m ³ | 750±5% | 730±5% | 710±5% | 700±5% |
| Tensile strength perpendicular to the face | EN 319 | EN 312 | N/mm ² | 0,45 | 0,45 | 0,4 | 0,35 |
| Surface soundness | EN 311 | EN 312 | N/mm ² | 0,8 | 0,8 | 0,8 | 0,8 |
| Bending strength | EN 310 | EN 312 | N/mm ² | 18 | 16 | 14 | 12 |
| Modulus of elasticity in bending | EN 310 | EN 312 | N/mm ² | 2550 | 2400 | 2150 | 1900 |
| Axial withdrawal of screws from the face | EN 320 | | N | 700 | 700 | 700 | 700 |
| Axial withdrawal of screws from the edge | EN 320 | | N | | 400 | 400 | 400 |
| Swelling in thickness after 24 hours | EN 317 | EN 312 | % max | 11 | 10 | 10 | 10 |
| Internal cohesion after cyclical tests | EN 321 | EN 312 | N/mm ² | 0,25 | 0,22 | 0,2 | 0,17 |
| Swelling in thickness after cyclical tests | EN 321 | EN 312 | % max | 12 | 12 | 11 | 10 |

| Performance requirements | | | | | | | |
|-----------------------------|----------------------|-------------------|----------------------------|--------------|--------------|--------------|--------------|
| TRIAL NAME | METHODOLOGICAL RULES | PERFORMANCE RULES | MEASURE UNITS | > 9-13 mm | > 13-20 mm | > 20-25 mm | > 25-30 mm |
| Water vapour permeability μ | EN 13986 | Table 9 | Wet cup Dry cup | 17,7 50 | 17,2 50 | 16,8 50 | 16,7 50 |
| Airborne sound insulation | EN 13986 | Par. 5.10 | dB | 25 | 28,5 | 29,5 | 30,5 |
| Acoustic absorption α | EN 13986 | Table 10 | 250-500 Hz 1000-2000 Hz | 0,10 0,25 | 0,10 0,25 | 0,10 0,25 | 0,10 0,25 |
| Thermal conductivity λ | EN 13986 | Table 11 | W / (mK) | 0,15 | 0,15 | 0,14 | 0,14 |
| Biological durability | EN 13986 | EN 335 | CU | 1&2 | 1&2 | 1&2 | 1&2 |
| Biological durability | EN 13986 | Par. 5.18 | ppm | < 5 | < 5 | < 5 | < 5 |

If the panels are intended for specific use in floors, walls or roofs, any relevant performance standards must also be consulted. This may result in compliance with additional requirements

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| General Requirements | | | | |
|-----------------------|----------------------|----------------------|---------------|--------------------|
| | METHODOLOGICAL RULES | PERFORMANCE RULES | MEASURE UNITS | VALUE OF THE PANEL |
| Smoothed thickness | EN 324/1 | EN 312 | mm | ± 0,3 |
| Dimension tolerance | EN 324/1 | EN 312 | mm | ± 5 |
| Squaring up tolerance | EN 324/2 | EN 312 | mm | 2 mm x meter |
| Moisture content | EN 322 | EN 312 | % | 9 ± 4 |
| Calorific value | | | Kcal/Kg | 4000 - 4200 |
| Reaction to fire | UNI 9176 | UNI 8457 UNI 9174 | | Class 3 |
| Reaction to fire | UNI 13501/1 | | | Ds2d0-Dfls1 |

* The values indicated in the sheet refer to internal laboratory tests

Certified Management System



Sustainability certifications

