

## TECHNICAL DATA SHEET

### PARTICLEBOARDS FOR INTERIOR USES, DRY ENVIRONMENT (Type P2)



RAW CHIPBOARD

| Standard number | Title   | Date of issue |
|-----------------|---|---------------|
| SR EN 309       | Particleboards. Definition and classification | July 2006     |
| SR EN 312       | Particleboards. Specifications                | July 2011     |

| Technical specification                                  | Test methods   | Units                | Requirements<br>SR EN 312:2011  |           |           |           |           |
|--|----------------|----------------------|---------------------------------|-----------|-----------|-----------|-----------|
|  |                |                      | Thickness range (nominal in mm) |           |           |           |           |
|  |                |                      | >6 to 13                        | >13 to 20 | >20 to 25 | >25 to 32 | >32 to 40 |
| Thickness on nominal dimensions                          | EN 324-1       | [mm]                 | ± 0,3                           |           |           |           |           |
| Length and width (commercially available size)           | EN 324-1       | [mm]                 | ± 5                             |           |           |           |           |
| Edge straightness tolerance                              | EN 324-2       | [mm/m]               | ≤ 1,5                           |           |           |           |           |
| Moisture content   | EN 322         | %                    | 5-13                            |           |           |           |           |
| Medium density tolerance within a plate                  | EN 323         | %                    | ± 10                            |           |           |           |           |
| Modulus of elasticity in bending (M.O.E)                 | EN 310         | [N/mm <sup>2</sup> ] | 1800                            | 1600      | 1500      | 1350      | 1200      |
| Bending strength (M.O.R)                                 | EN 310         | [N/mm <sup>2</sup> ] | 11                              | 11        | 10,5      | 9,5       | 8,5       |
| Tensile strength perpendicular to the plane of the board | EN 319         | [N/mm <sup>2</sup> ] | 0,40                            | 0,35      | 0,30      | 0,25      | 0,20      |
| Surface soundness  | EN 311         | [N/mm <sup>2</sup> ] | 0,80                            | 0,80      | 0,80      | 0,80      | 0,80      |
| Formaldehyde release*                                    | EN ISO 12460-5 | [class]              | E1, CARB2, TSCA                 |           |           |           |           |

\* The product complies with :

» **E1** emission class as **standard product**. Perforator value: ≤8mg/100g dry board.

» **CARB Phase 2 (just at special order)** - Final Regulation Order of "Airborne Toxic Control Measure to Reduce Formaldehyde Emission from Composite Wood Products", 93120-93120.12, title 17, California Code of Regulations, §93120.2 (a), emission standards, according to table 1: "Phase 1 and Phase 2 formaldehyde emission standards for hardwood plywood (HWPW), particleboard (PB) and medium density fibreboard (MDF)". Emission standards value for particleboard Phase 2 ≤ 0,09 ppm.

» **TSCA Title VI (just at special order)**- Formaldehyde limit values for composite wood products according to the final rule "Formaldehyde Emission Standards for Composite Wood Products" which added Title VI to the Toxic Substances Control Act (TSCA) - 'TSCA Title VI' - Final rule 40 CFR Part 770 - published by the US Environmental Protection Agency (EPA) in the Federal Register, the Daily Journal of the United States Government. Emission standards value for particleboard ≤ 0,09 ppm.