



Application: Repo P2 boards for furniture for use in dry conditions.  
 Repo P3 moisture-resistance boards for use in humid conditions (available only in 16 mm thickness)

### Mechanical and physical properties

Repo P2 and P3 board complies with the European Standard EN-312

#### Requirements of P2 particleboard for interior fitments for use in dry conditions:

| Properties   | Unit              | Requirement |               |        |
|--|-------------------|-------------|---------------|--------|
| Size   | mm                | 2750 x 1830 |               |        |
| Thickness  | mm                | 8, 10, 12   | 15, 16 18, 19 | 22, 25 |
| Density  | kg/m <sup>2</sup> | 650 - 700   |               |        |
| Tolerance on nominal dimensions:                     |                   |             |               |        |
| - Thickness (sanded) within and between boards       | mm                | ± 0.3       |               |        |
| - Length and width                                   | mm                | ± 5         |               |        |
| Squareness tolerance                                 | mm/m              | 2           |               |        |
| Moisture content                                     | %                 | 5 - 13      |               |        |
| Formaldehyde release according to EN 13986: Class E1 | mg/100 gr         | < 8.0       |               |        |
| Bending strength                                     | N/mm <sup>2</sup> | 13          | 13            | 11.5   |
| Internal bound                                       | N/mm <sup>2</sup> | 0.4         | 0.35          | 0.3    |
| Surfaces soundness                                   | N/mm <sup>2</sup> | 0.8         |               |        |

#### Requirements of P3 particaleboard for use in humid conditions

##### Mechanical and swelling

| Properties                 | Unit              | Requirement |
|----------------------------|-------------------|-------------|
| Thickness                  | mm                | 16*         |
| Bending strength           | N/mm <sup>2</sup> | 14          |
| Internal bound             | N/mm <sup>2</sup> | 0.45        |
| Swelling in thickness, 24h | %                 | 14          |

\* P3 Boards available only in 16mm thickness.

##### Moisture resistance

| Properties                              | Unit              | Requirement |
|---|-------------------|-------------|
| Internal bond after cyclic test         | N/mm <sup>2</sup> | 0.13        |
| Swelling in thickness after cyclic test | %                 | 13          |