



Technical data sheet

Product: Cement bonded particle board

Product description



The BETONYP products are intended to use for several area in the construction industry: formwork, outer- and inner cover, fire resistance cover, flooring, outer- and inner load-bearing wall, self-supported wall, load-bearing ceiling panel, suspended ceiling, suspended flooring.

BETONYP panels can be assembled on wooden frames in order to form various panel systems, which can be used to create structures that meet the needs of the builder: community buildings, commercial-educational-, health facilities, leisure centres, family houses, weekend houses, barns, warehouses.

| Board sizes | 3200 x 1250 mm x mm | | | | | |
|------------------------|---------------------|-------------------|---------|---------------|---------------|---------|
| | 2800 x 1250 mm x mm | | | | | |
| Characteristic | Measurement method | Unit | < 12 mm | 12 mm - 15 mm | 15 mm - 19 mm | ≥ 19 mm |
| Thickness unsanded | MSZ EN 324-1 | mm | ± 0,7 | ± 1,0 | ± 1,2 | ± 1,5 |
| Thickness sanded | MSZ EN 324-1 | mm | ± 0,3 | | | |
| Length and width | MSZ EN 324-1 | mm | ± 5,0 | | | |
| Straightness tolerance | MSZ EN 324-2 | mm/m | ≤ 1,5 | | | |
| Straightness tolerance | MSZ EN 324-2 | mm/m | ≤ 2 | | | |
| Moisture content | MSZ EN 322 | % | 6 - 12 | | | |
| Density | MSZ EN 323 | kg/m ³ | ≥ 1000 | | | |
| Bending strength | MSZ EN 310 | N/mm ² | 9 | | | |



| Characteristic | Measurement method | Unit | | | | |
|--|------------------------|---|---|---------------|---------------|---------|
| | | | < 12 mm | 12 mm - 15 mm | 15 mm - 19 mm | ≥ 19 mm |
| Modulus of elasticity | MSZ EN 310 | N/mm ² | I. class min: 4500 II. class min: 4000 | | | |
| Internal bond | EN 319 | N/mm ² | 0,5 | | | |
| Internal bond after cyclic stress | MSZ EN 319, EN 321 | N/mm ² | 0,3 | | | |
| Swelling in 24 h | MSZ EN 317 | % | 1,50 | | | |
| Swelling in 24 h after cyclic stress | MSZ EN 317, MSZ EN 321 | % | 1,50 | | | |
| Dimensional change under the influence of moisture | MSZ EN 318 | On 20 °C degrees, under the influence of increasing air humidity from 25% to 85%, it can be max. 0,3% | | | | |
| Thermal conductivity | MSZ EN ISO 13787:2003 | λW/mK | 0,23 | | | |
| Delamination | Visual inspection | Not allowed | | | | |
| Edge defect | | | | | | |

FALCO Zrt.

Zanati u. 26.
9700 Szombathely
Hungary

Phone: +36 94 516-600

Fax: +36 94 516-693

E-mail: office@falco-woodindustry.com

Prepared by: Mihály Szele

Reviewed by: Marco Talasz

Approved by: Igor Ilic

