

| Thickness mm | > 6-10 | > 10-13 | > 13-20 | > 20-25 | > 25-32 | > 32-40 |
|---|--------|---------|---------|---------|---------|---------|
| Bending strength (N/mm ²) | 18 | 18 | 16 | 14 | 12 | 10 |
| Modulus of elasticity in bending (N/mm ²) | 2550 | 2550 | 2400 | 2150 | 1900 | 1700 |
| Internal bond (N/mm ²) | 0,45 | 0,45 | 0,45 | 0,40 | 0,35 | 0,30 |
| Swelling in thickness 24 h (%) | 13 | 11 | 10 | 10 | 10 | 9 |
| Internal bond after cyclic testing (N/mm ²) | 0,25 | 0,25 | 0,22 | 0,20 | 0,17 | 0,15 |
| Swelling in thickness after cyclic testing (%) | 12 | 12 | 12 | 11 | 10 | 9 |

| Essential characteristics | Performance | Standard |
|---|---------------------------------|---------------|
| Release of formaldehyde | E1 | (BS) EN 13986 |
| Reaction to fire | D-s2, d0 | |
| Water vapour permeability | 3...7x10 ⁻¹² kg/msPa | |
| Airborne sound insulation | NPD | |
| Sound absorption | NPD | |
| Thermal conductivity | 0,13 W/(m k) | |
| Impact Resistance | NPD | |
| Mechanical Durability | Table 3.1 | |
| Detailed information can be found in Tables 3.1 & 3.2 of (BS) EN 1995-1-1 | Table 3.2 | |
| Biological durability (BS) EN 335 | Class 1 | |
| Content of pentachlorophenol (PCP) | ≤ 5 ppm | |

The performance of the product identified in point 1. is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and behalf of the manufacturer 07.11.2024.

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Quality Manager, Panel Industry



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