

TEBOPIN WALL SHEATHING

FT TEBOPIN WALL SHEATHING - REF 26-V1-GB - Cancels and supersedes any previous versions



All timber frame applications requiring a compatible size in wooden modular constructions and where strength and durability are a priority.



DESCRIPTION

Base board: Maritime Pine throughout Plywood

Faces (IAW EN 635-3): III / III



Finishing: unsanded 2 sides

Average density (IAW EN 323): 580 kg/m³ (+/- 10%)

Bonding (IAW EN 314-2): class 3

Service (IAW EN 636): class 1-2-3 (interior, humid and exterior conditions) - flooring & roofing IAW EN 12871

Formaldehyde release classification: E1 IAW EN 717-1 · REACH 2023/1464 compliant

Content of Pentachlorophenol (IAW EN 13986): PCP ≈ 0 ppm

SIZES, NUMBER OF PLYS & PACKAGING

| Thicknesses (mm) | Number of plies | Sizes (mm) | Packing |
|------------------|-----------------|--------------------|---------|
| 9 | (3) | 2800 x 1196 | 50 |
| 12 | (5) | 2500 / 2850 x 1250 | 37 |
| 15 | (5) | 2500 x 1530 | 30 |

Other sizes & thicknesses: on request

OPTIONS

Preservative treatments, fungicide & Insecticide, antitermite: optional on request

Cutting & TG processing: optional on request

STORAGE

Flat, on intermediate bearers, in an enclosed dry and ventilated building, clear of the ground. As far as storage on site is concerned, provision should be made to cover the panels with an opaque waterproof sheeting with the underside of the stacks clear of the ground.

FURTHER PROCESSING & INSTALLATION

Compliance with standard practice, with regulations and with health and safety rules should be maintained at all times.

Cutting and machining in the workshop possible except laser technology.

PRODUCTION SITES

Production on Thébault's sites in France



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TECHNICAL PROPERTIES

Characteristic values (MPa) IAW EN 789 - 1058 for structural calculations IAW Eurocodes

| | | 9 | 12 | 15 |
|--|--|-----|-----|-----|
| Modulus of elasticity panel shear (G_v) | // | 548 | 548 | 548 |
| | └┬ | 548 | 548 | 548 |
| Bending Strength panel shear (f_v) | // | 5,9 | 5,9 | 5,9 |
| | └┬ | 5,9 | 5,9 | 5,9 |
| Modulus of elasticity planar shear (G_p) | // | 95 | 95 | 95 |
| | └┬ | 95 | 95 | 95 |
| Bending Strength planar shear (f_p) | // | 0,5 | 0,5 | 0,5 |
| | └┬ | 0,5 | 0,5 | 0,5 |
| Others characteristic values | Available on DOP - Strength in: Tension (f_t), Compression (f_c), Bending (f_m) Modulus of elasticity in: Tension (E_t), Compression (E_c), Bending (E_m) | | | |

Uses

| | |
|---|---|
| Use in structural applications (IAW EN 13986, IAW EN 12871, 636-3, EN 636-2, EN 636-1) | Suitable for use as structural element in exterior conditions (service class 3), humid conditions (service class 2) and interior conditions (service class 1) |
|---|---|

Bending radius (mm)

| Thickness | 12 | 15 |
|-----------|------|------|
| // | 3000 | 3750 |
| └┬ | 2400 | 3000 |

Nail and screw holding (t = 15 mm)

| | | |
|-------|----------------------|--------|
| Nail | Face and edge: 300 N | |
| Screw | Face | Edge |
| | 1450 N | 1150 N |

Sound absorption coefficient

| IAW EN 13986 Table N°10 | Frequency range | |
|----------------------------|------------------|--------------------|
| | 250 Hz to 500 Hz | 1000 Hz to 2000 Hz |
| | 0,10 | 0,30 |

Reaction to fire

| End use condition In reference to table 8 of EN 13986 - 2004+A1:2015 | Minimum thickness | Class excluding floorings | Class floorings |
|---|-------------------|---------------------------|---------------------|
| Without an air gap behind the panel | 9 mm | D-s2,d0 | D _{fl} -s1 |
| With a closed or an open air gap not more than 22 mm behind the woodbased panel | 9 mm | D-s2,d2 | - |
| With a closed air gap behind the wood-based panel | 15 mm | D-s2,d1 | D _{fl} -s1 |
| With an open air gap behind the wood-based panel | 18 mm | D-s2,d0 | D _{fl} -s1 |
| Any | 3 mm | E | E _{fl} |

Thermal conductivity

| | |
|--------------|------------------|
| IAW EN 13986 | $\lambda = 0,13$ |
|--------------|------------------|

Characteristic density

| | |
|------------|-----------------------|
| IAW EN 789 | 540 kg/m ³ |
|------------|-----------------------|

Vapour permeability

| IAW EN 13986 Table 9 | Wet cup | Dry cup |
|-------------------------|----------|-----------|
| | 44 μ | 187 μ |

Airborne sound absorption

| | |
|--------------------------------|---|
| IAW EN 13986 Paragraph 5.10 | The sound transmission loss R of a single wood-based panel, measured in dB, is related the mean surface mass m_A in kg/m ² according to the following equation (which is only valid for the frequency range of 1 kHz to 3 kHz and at a surface mass > 5 kg/m ²): $R = 13 \times \lg(m_A) + 14$ |
|--------------------------------|---|

TECHNICAL SUITABILITY & CERTIFICATION

| | |
|--|---|
| CE Structure attestation of conformity 2+ CE structure 2+ «Wallsheathing» | 0380 - DOP* - CPR - EN 13986 : 2004 + A1 : 2015 - EN 636-3 S E1 * DOP : Declaration of Performance available on www.groupe-thebault.com |
|--|---|

| Quality marks (country) | | | Ecocertification | CE Marking | Volatile substances | |
|-------------------------|-----------|-------------|------------------|------------|---|-------------------------|
| NF Extérieur CTB-X (F) | KOMO (NL) | BFU 100 (D) | PEFC | CE | Information on the emission level of volatile substances within the indoor air, showing a risk of toxicity in case of inhalation, based on a scale going from A+ (very low emissions) to C (high emissions). Scenarios flooring/ceiling | |
| | | | | | | EPA TSCA Titre VI (USA) |
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