

CLT 3-PLY PANELS

APPLICATION INSTRUCTIONS

I. Product specifications

1. Dimensions

- Length: 2500mm / 2000mm (customizable per order)
- Width: 500mm
- Thickness: 27mm / 21mm

2. Material:

- Spruce, pine, or custom species.

3. Structure:

- Cross laminated timber

II. Pre-use inspection

- Ensure surfaces are smooth and free from stains, damage, or delamination.

III. Installation & construction procedures

4. Support system setup

- Calculate support spacing based on concrete loads to ensure formwork deflection $\leq 0.3\%$.
- Lateral supports must meet modulus of elasticity requirements (longitudinal ≥ 9000 MPa, transverse ≥ 600 MPa).

5. Formwork jointing

- Align joints tightly; squareness deviation $\leq 1\text{mm/m}$.
- Seal seams with waterproof tape to prevent grout leakage.

6. Concrete pouring

- Pour in layers (maximum 1.5m per layer) to avoid excessive lateral pressure (bending strength: longitudinal ≥ 27 MPa, transverse ≥ 5 MPa).
- Vibrators must not come to direct contact with the formwork surface.

IV. Stripping & maintenance

TREECRAFT CHINA
Rm.605, 1st Building, Nr.655, Jiu Jing Rd,
Jiuting Town, Shanghai, China
P. 0086 21 5988 3287

TREECRAFT BELGIUM
Pathoekeweg 130
8000 Brugge, Belgium
P. 0032 51 301 669

VAT: BE0674613323

www.treecraft.be

1. Stripping timing

- Strip only after concrete reaches $\geq 75\%$ of design strength (typically 3–7 days).

2. Cleaning & storage

- Remove residual concrete immediately after stripping; avoid scraping with excessive force.
- Store in dry, ventilated conditions (moisture content: $10 \pm 2\%$); protect from sun and rain.

3. Reuse guidelines

- Inspect surface coating integrity and ensure that repaired areas remain secure.
- Maximum reuse cycles: ≤ 5 times (subject to wear conditions).

Key safety notes

- Humid Environments: Apply protective coatings when used in damp areas (e.g., bathrooms) to prevent decay (EN 335 Class 2 compliance required).
- Structural Limitation: 27 mm panels are rated for structural use; 21 mm panels are non-structural (e.g., decorative cladding).
- This product is unsuitable for permanent water exposure (e.g., foundations). Failure to comply voids all structural warranties.

Disclaimer: This manual consolidates critical operational and safety requirements. Always consult the latest SDS and DoP documents. For project-specific queries, contact Treecraft.

Download full SDS: <https://www.treecraft.be/supporting-docs>

Declaration of Performance (DoP): <https://www.treecraft.be/products> or upon request.