

Pratteln, June 2025

The following items must be included in the timber construction tender:

Weather protection

140 Protection of components during assembly

141.002 Temporary weather protection.

The TS3-PTS elements are protected at the factory against weather exposure during the construction phase with a full-surface self-adhesive membrane. The end grain faces are unprotected once the transport protection foil is removed.

It must be ensured that the surfaces of the TS3-PTS elements to be bonded remain continuously dry until the joints have been completely cast.

TS3-PTS elements

500 Floor slabs

540 CLT floor slabs

541.142 TS3 system slab

. Panel thickness ...mm

. Layer composition...mm

. Quality of underside of panel

. Quality of topside of panel

. Including offcut

. Length up to maximum...mm

. Width up to maximum...mm

According to plan ...

Including the following services

. Production of raw CLT panels

. Cutting and joinery of CLT floor elements

. Joinery for TS3-PTS elements in accordance with standard details and TS3 specifications

. Preparation of surfaces to be bonded

. Application of protective membrane for construction phase

. Waterproof and UV-resistant packaging

. Transport

UoM = m2 net

This item must be requested from a TS3 partner

Assembly TS3-PTS elements

541.143 Assembly

- . Positioning of the elements
- . Lifting equipment capacity must be ensured
- . Crane hoists for handling temporary supports, quantity as per engineer's plan
- . Temporary support of the floor slab during assembly
- . Vertical levelling of panels to a tolerance of +/- 0.5 mm
- . incl. all necessary protective measures
- . incl. all fasteners (except TS3)
- . incl. installation of screws for TS3 cross-screwing $a = 1 \text{ m}$ (material supplied by TS3)
- . incl. installation of construction phase seal at element joints (material supplied by TS3)
- . Assembly personnel must hold a valid TS3 applicant certificate
- . Elements must be installed dry
- . Elements and joints must remain dry throughout the construction phase

Connection TS3-PTS elements

541.181 Connection

According to plan ...

Construction:

- . Panel thickness ...
- . Total linear metres of TS3 connection ...
- . Supply of construction phase seal for TS3 element joint
- . Supply of screws for TS3 cross-screwing $a = 1 \text{ m}$
- . Supply of temporary supports
- . Installation of temporary supports according to engineer's plan
- . Removal of temporary props
- . Bonding of TS3-PTS elements
- . Casting resin quantity calculated for joint width $4 \text{ mm} \pm 0.5 \text{ mm}$
- . Including quality assurance

General provisions

- . Fall protection must be provided on site by the contractor.
- . Weather protection to be provided on site as per tender text from TS3.
- . Additional fasteners to be provided on site according to engineer's specification.
- . The structural design for execution must be carried out by a qualified engineering office.

UoM = m1

This item must be requested from TS3 AG.

Timber Structures 3.0 AG

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