

use in FLOORING

Standard of reference	NF EN 12871 NF EN 636-3
Quality labels	CTBx - KOMO BFU 100
THEBAULT Products recommendation	TeboFloor

The decision to use THEBAULT plywood for a given application should be made with reference to the standards governing product technical specifications, and installation should be undertaken in line with the relevant health and safety regulations.

PANELS PROPERTIES

To meet the requirements of the installation conditions the product must:

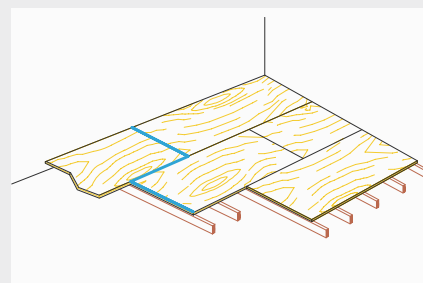
- fulfil specific mechanical requirements,
- fulfil specific thermal and acoustic requirements,
- take into account specific hygrothermal stress factors more particularly the risks related to condensation on the horizontal interface.

Special cases: flooring over a sanitary crawl space, above premises which are open to the elements, above a space which produces significant amounts of steam, and generally anywhere where there is a risk of humidification by rising damp or condensation: use of a moisture barrier film beneath the plywood.

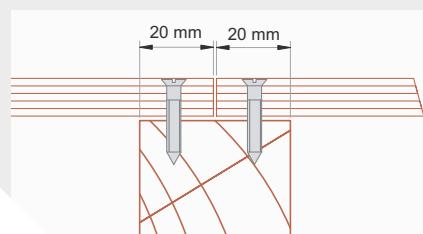
LOAD-BEARING FLOORING

Installation

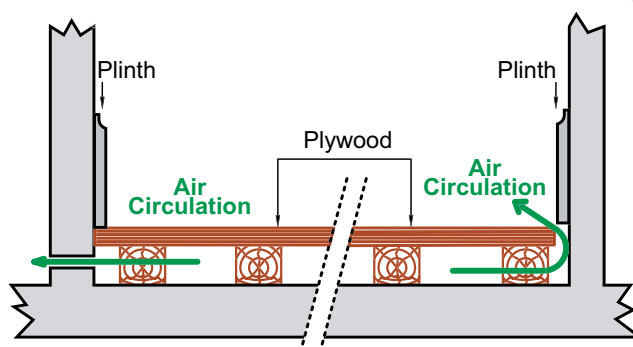
- Load-bearing floorings contribute directly to the building's rigidity and bracing.
- When laying THEBAULT plywood over joists or beams, provision should be made for an installation with staggered joints over at least three supports in conjunction with supports at the ends. As a result, some panels may end up being laid over two supports.



- Unsupported edges should be assembled by tongue-and-groove with the short edges resting on the supports.
- The supporting width for panels laid on joists or beams should be at least 20 mm.



- In damp environments, ventilation of the reverse side of the plywood is crucial. Provision should be made for an appropriate ventilation system either underneath the floor construction or around its perimeter.



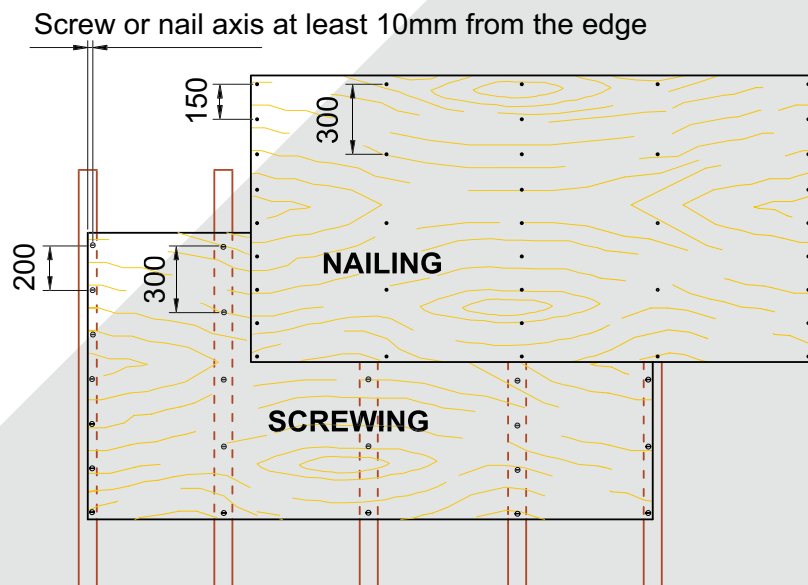
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• Depending on the nature of the floor coverings, THEBAULT plywoods may be installed:

- either with butt joints: when flooring surfaces are less than 40 m², with the longest side not exceeding 7m. It is important to leave an expansion gap of 10mm around the perimeter of the room and to glue the tongues and grooves. For vinyl-type floor coverings, it is essential that the panels are glued together.
- or with a 1mm expansion gap between panels, in both directions.

**Fixing**

- Screwing should be preferred as a fixing method. If nailing is carried out, provision should be made for screwing to be implemented at the four corners of each panel and at the halfway point of each panel side.
- The screw length should be equivalent to at least 2,5 times the thickness of the panel. This equivalence becomes 3,5 times when using nails.
- Screw heads should be sunk, and synthetic filler should be applied in case of a finishing with thin floor coverings.

FLOATING FLOOR

- A floating floor consists in an even, continuous structure installed over a continuous load-bearing floor surface, with an intermediate release material.
- THEBAULT plywood panels are predominantly used in acoustic insulation flooring. In such cases they are laid over a resilient material. (Acoustical insulation material).
- THEBAULT plywood panels are tongued and grooved and installed with their joints staggered. They are glued together and provision is made for a perimeter gap of 10 mm around the service space.