

use in WALL SHEATHING

Standard of reference	NF 12871 NF EN 12369-2
Quality labels	CTbx - KOMO - BFU 100
THEBAULT Products recommendation	TeboPin Contreventement

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.

While fulfilling the function of infill material, THEBAULT plywood may be used as exterior or interior wall lining, providing full or partial bracing for the structure.

DESIGN REQUIREMENTS

In order to guarantee the durability of a load-bearing external wall it is important to:

- Meet the relevant mechanical requirements: download stress factors and resistance to deformation (transverse bracing)
- Meet water resistance requirements: this being one of the role of external bracing
- Take into account hygrothermal stress factors, particularly the risks related to condensation: ventilation of the faces.

FIXING

- The intermediate battens should be fixed at intervals of maximum 600 mm irrespectively of the plywood type and thickness. When the panels are not supported by a continuous structure, assembly should be carried out by mean of tongue and groove. The joints shall be glued together and a minimum thickness of 12 mm will be required.
- The penetration of nails or screws will be of at least 35 mm into the battens of the framing structure. The screws should be fixed at least 10 mm from the edges of the panels, at intervals of maximum 150 mm at the perimeter and 300 mm on the intermediate framing elements.

INSTALLATION

There are two types of exterior walls to be taken into consideration:

- Wall lining with ventilated air space: interior ventilation of the wall, with an airspace of at least 10 mm adjacent to the exterior wall including a system allowing the evacuation of humidity resulting from condensation.
- Wall without airspace: no ventilation and no humidity evacuation. In such a case the plywood panel should not be covered with a waterproof film.

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