

# use in ROOFING

Standard of reference	NF EN 12871 NF EN 636-3
Quality labels	DTU 43.4
THEBAULT Products recommendation	TEBOROOF

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.

THEBAULT plywood panels designed for use in humid and exterior environments may be used to support roof coverings or watertight underlayments.

## PANELS PROPERTIES

At time of installation and mounting of the roofing, the moisture level of the panels should not exceed 18%. Care should be taken that the roofing is definitively protected from the elements immediately after the plywood panels have been laid or at least temporarily covered by sheeting.

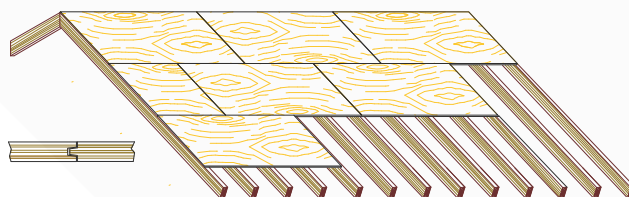
Contact with zinc : Installing TeboPin plywood in contact with zinc may generate corrosion effects. It is therefore recommended to insert an appropriate film barrier between the plywood and the zinc

## INSTALLATION

- The expansion gaps between the panels should be of 1 mm per linear metre of panel and distributed at each end of the flooring structure in both directions.
- For more information related to the spans between supports (theoretical maximum span in correlation with the loading factors and the thickness of the panels) refer to the technical product data sheet provided by THEBAULT.

### Installation on three or more supports

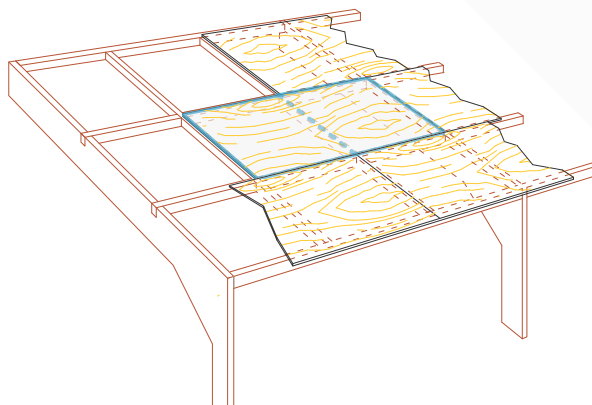
Full size plywood panels remaining unsupported must be assembled by tongue and groove. Short edges are to be laid on joists.



- THEBAULT plywood panels should be laid with staggered joints on at least three supports. At the ends of the roofing structure, some panels may end up being laid over two supports.
- The short edges should be supported on a continuous support. The minimum supporting width at each end of the panel should be at least 25 mm.

### Installation on perimeter supports

This type of installation refers to THEBAULT square edged plywood panels used as roofing components.



- The installation is carried out on perimeter supports. The panels are laid on a continuous support on their 4 sides and on at least an intermediate one. As a result a double square design is obtained. The minimum supporting width at each end of the panels should be at least 20 mm.

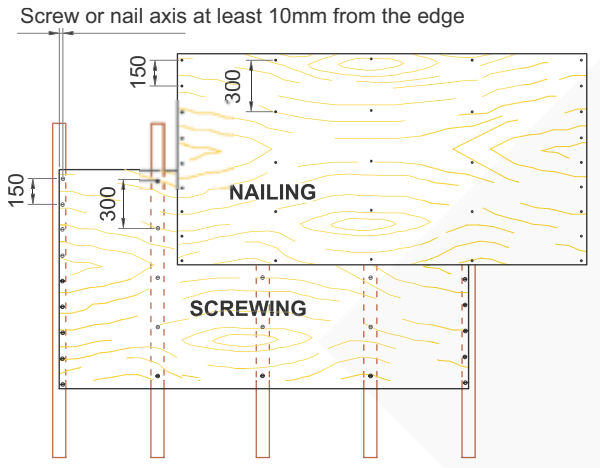
Groupe THEBAULT  
47, rue des Fontenelles  
79 460 MAGNE - France  
Tél : +33 (0)5 49 35 70 20  
info@groupe-thebault.com

[www.groupe-thebault.com](http://www.groupe-thebault.com)

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## FIXING

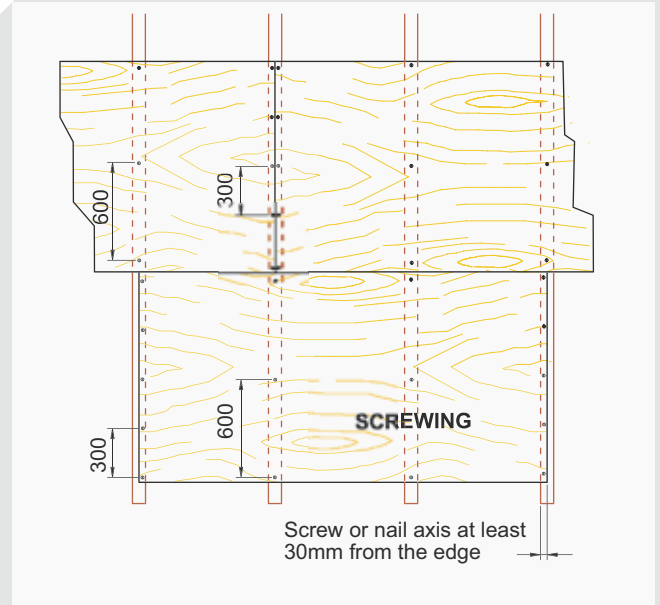
- When fixing is carried out on purlins by screwing or nailing, care should be taken that they are placed at intervals of maximum 150 mm on the perimeter of the panels and 300 mm on intermediate supports. Screws should be placed at least 10 mm away from their edges when these are continuously supported and at 30 mm away from their edges when these are discontinuously supported.



- The length of the fixings should be at least equal to the values of the following table. «t» being the thickness in mm of the element to be fixed.

thickness of the element to be fixed	Length (in mm)			
	Screws	Nails	Helically threaded nails	Staples
$e \leq 15$	2,5 e	4 e	2,8 e	4 e
$15 < e \leq 22$	2,5 e	3,5 e	2,5 e	3,5 e
$22 < e \leq 35$	2,5 e	3 e	2,5 e	-
$35 < e$	2,5 e	2,5 e	2,5 e	-

- When fixing THEBAULT plywood panels on steel purlins or furrings self-tapping screws showing a minimum diameter of 6 mm and more are recommended. They should be placed at 300 mm intervals on the short edges and at maximum 600 mm on the intermediate supports.



- The length of the screws should allow the thread to overdrive the wing of the steel profile by around 5 mm. When using self-drilling tapping screws, the fixings on THEBAULT plywood panels should take place at least 10 mm away from their supported edges.

