



## Parapets

### A suitable safety

Our solutions suit  
our customer needs

- ▶ **Progressive solutions**
- ▶ **Strong & Aesthetically pleasing**
- ▶ **Easy to assemble  
and quick to install**



# Parapets

## ► Vervins



Built from our T18 2M or T18 4MS2 mixed wood & steel guardrail, triple railing with C125 post on a steel base.  
Height 1 m above ground.

Ref: GC 101

## ► Lot



Built from our T22 2M or T22 4MS2 mixed wood & steel guardrail, 4-height railing with C125 post on a steel base.  
Height 1 m above ground.

Ref: GC 110

## ► Reinforced T100 with T18 or reinforced T100 with T22



Tested according to French standard NF P01-013, NF P01-012, meeting norm XP P98-405 safety requirements. Galvanized steel post on steel base with wooden cladding: 2 m post spacing. Wooden panel with barrels. Panel connected to barrels and post with galvanized steel parts 1.03 m above ground. Combined with mixed wood and steel guardrail T18 or T22. Adjustable for cutting and curves and level differences

Ref: GC T100

## ► Fencing



Planned posts 120 mm x 120 mm in 1.60m - Barrel panel: length 2.00 m, height 0.93 m, 10 planned barrels 80 mm x 30 mm, to be screwed on the posts. 2.00 m post spacing, height above ground of the barrels: 1.03 m, height above ground of the post: 1.03 m, ground clearance 0.10 m

Ref: RP 500

## ► Pedestrian parapets T100 - T140 - T100H



Cf individual sheets



Restraint system for pedestrians or other users, installed on the edge of bridges, retaining walls or similar structures...

Pressure-treated wood with chromium and arsenic-free preservatives



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## Pedestrian gangways

### Moving forward

Designed for pedestrians, cyclists  
and even horses

- ▶ Easy to install and to maintain
- ▶ Light and strong
- ▶ Attractive and durable
- ▶ Standardized parapets
- ▶ Calculation Note according to Eurocodes 3 or 5
- ▶ Advices and coordination to complete the project together



# Pedestrian gangways

## ► Eurocodes

### MIXED WOOD & STEEL

#### ► Hirson



Straight mixed wood & steel gangway. Galvanized steel structure, dimensions according to Eurocode 3, wooden cladded. Grooved wooden decking, 36 mm thick. Mixed Wood & Steel Parapets T100 or

T140, tested according to the norm XP P98-405. Length from 6 m to 50 m. Delivered assembled up to 12 m. Components to be connected for superior lengths. Passage up to 2.12 m. Ref: PO 102 A

#### ► Montfort



Curved mixed wood & steel gangway. Curved galvanized steel structure, dimensions according to Eurocode 3, wooden cladded. Grooved wooden decking, 36 mm thick.

Mixed Wood & Steel Parapets T100 or T140, tested according to the norm XP P98-405. Span from 12 m. Passage up to 2.12 m. Ref: PO 102 E

### SOLID WOOD

#### ► Camargue



Solid Wood gangway. Structure made of logs of 10 – 12 and 28 cm Ø, dimensions according to Eurocode 5. Grooved wooden decking, 36 mm thick. Mixed Wood & Steel

Parapets T100 or T140, tested according to the norm XP P98-405. Span from 9 m. Passage up to 2.12 m. Ref: PO 101 A



Gangways dimensions follow the Eurocode recommendations. Structure calculations are established according to the rules:

- AFNOR P06-113-1 and NA "EN1991-1-3 Eurocode 1 Effects on structures Part 1-3, General Effects – Snow loads" **EC1-1-3** marked
- AFNOR P06-114-1 and NA "EN1991-1-4 Eurocode 1 Actions on structures Part 1-4, General effects Wind Effects" **EC1-1-4** marked
- AFNOR P22-311-1 and NA "EN 1993-1-1 Eurocode 3 Steel structure calculation – Part 1-1, General Rules and rules for the construction industry" **EC3-1-1** marked.

*Pressure-treated wood with chromium and arsenic-free preservatives*



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## Gangways for light vehicles

### Performing and aesthetically pleasing

All wood or wood & steel gangways,  
combining technology and simplicity.

- ▶ Easy to install and maintain
- ▶ Lighter for the same load bearing capacity
- ▶ Standardized parapets
- ▶ Calculation notes according to Eurocode 3
- ▶ Durability



# Gangways for light vehicles

► Eurocode 3

## MIXED WOOD & STEEL

### ► Hirson



Straight mixed wood & steel gangway. Galvanized steel structure, dimensions according to Eurocode 3, wooden cladding. Grooved wooden decking, 50 or 80 mm thick. Mixed Wood & Steel Parapets

T100 or T140, tested according to the norm XP P98-405. Length from 6 m to 50 m. Passage up to 2.50 m. Vehicle up to 3.5 T\*.

Ref: PO 102 D

### ► Sixt



Straight mixed wood & steel gangway. Galvanized steel structure, dimensions according to Eurocode 3, wooden cladding. Grooved wooden decking, 50 or 80 mm thick. Mixed Wood & Steel Parapets T100 or T140, tested according to the norm XP

P98-405, reinforced with a steel backed timber barrier. Length from 6 to 50 m. Passage up to 2.50 m. Vehicle up to 3.5 T\*.

Ref: PO 102 C



Gangways dimensions follow the Eurocode 3 recommendations. Structure calculations are established according to the rules:

- AFNOR P06-113-1 and NA "EN1991-1-3 Eurocode 1 Effects on structures Part 1-3, General Effects Snow loads" **EC1-1-3** marked
- AFNOR P06-114-1 and NA "EN1991-1-4 Eurocode 1 Actions on structures Part 1-4, General effects Wind Effects" **EC1-1-4** marked
- AFNOR P22-311-1 and NA "EN 1993-1-1 Eurocode 3 Steel structure calculation – Part 1-1, General Rules and rules for the construction industry" **EC3-1-1** marked.

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\* for exploitation structures superior to 3.5T: a study is necessary.



**Deckings - Stilts - Access ramps**

## **Pathways & Access for Reduced Mobility People (RMP)**

Pontoons and decking to access beaches, dunes, rivers, lakes and forest paths

- ▶ **Optimum adaptability  
to site configuration**
- ▶ **Easy and quick to install**
- ▶ **In accordance with the RMP  
recommendations**



# Deckings - Stilts - Access ramps

## ► Grooving

### DECKINGS

#### ► Panels



Made of treated Douglas fir or heart of Douglas fir, grooved planks 36 mm thick, fixed using stainless steel screws to a wooden backing strip.  
Width 2.00 m, length 4.00 m,  
Total thickness 110 mm  
Delivered assembled

Ref: ME 201

#### ► Strips



Made of treated Douglas fir or Heart of Douglas fir, non-slip grooved planks

145 mm x 36 mm en 4.00 m

Ref: AM 105

145 mm x 45 mm en 4.00 m

Ref: AM 107

145 mm x 80 mm en 4.00 m

Ref: AM 109

### STILTS



One support every 2.00 m made of two posts 120 x 120 mm,  
Non-slip grooved planks to be fixed on joists with stainless steel screws every 0.50 m  
Width 2.00 m,  
Delivered in kit to install on site  
Hardware provided

Ref: PO 104

### ACCESS RAMPS for people with reduced mobility



Made of treated Douglas fir or Heart of Douglas fir. 5.00 m modular panels, made of non-slip grooved planks 145 x 36 mm, mounted on joists. Passage width 1.50 m  
Space for the wheels: 80 x 80 mm

Galvanized feet equipped with springs to insure an accurate adjustment to the slope.  
Rest platforms, length 1.50m for passage width 1.50 with jacks galvanized feet for an accurate adjustment.

Connection of the different elements with galvanized fishplates  
Slopes in accordance with the Access Ramps regulations: in general 4% - except in case of exceptional derogations (4% slopes physically impossible) : 5, 7, 8 and 12% with rest platforms depending on the slopes.

Ref: PMR 201



The decking planks have 8 non-slip grooves and two drop edges.

They are laid in a minimum gap of 5 mm using screws (stainless steel recommended: pre-drilled holes required)

Pressure-treated wood with chromium and arsenic-free preservatives



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