Tertu Crossings

Expertise

Tertu's international development has enabled us to acquire expertise in deployment in wide-ranging geographical environments.

100% service: the coordination

Pre-sales, we select the most appropriate wood or wood & steel solution for you from a complete, homogeneous range. After sales, we shall be at your side during and after installation. If necessary, the design of the system facilitates repairs, which are carried out quickly in a spirit of partnership.

Do you have any questions ? Contact Tertu by telephone or e-mail: bdt@tertu.com

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Douglas fir: the specie with a big heart

On account of its structure, the Douglas fir is a natural choice as it is an exceptional material in terms of quality and natural durability. Its heart is deemed to be rot-proof.

By 2015, France will have the largest Douglas fir resource in the world.
A leader in the use of the Douglas fir since the 1980s, Tertu has continued to develop, using this wood in increasingly sophisticated applications: guardrails, sound barriers and protection, gangways, bridges and other crossings.

Pressure-treated wood with chromium and arsenic-free preservatives

PEFC

Certifié ISO 9001 : 2000 par BVQI

Rustic gangways
The design of these structures is so famous that Tertu gangways are still a talking point.
The use of large round logs is a sign of original know-how, which allows for specific developments.

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Tertu Crossings

Gangways and bridges made from wood or steel & wood combining simplicity and performances

- Proven feasibility for a wide range of spans.
- Economic and durable solutions well suited to the purpose.
- Lightweight constructions with great strength.
- Easy to install.

Discover the range

Tertu Crossings

The development
of road bridges designed
to support heavy loads,
in accordance with standards
laid down by the regulations,
has led Tertu to evolve towards
new assembly technologies.

This experience benefits
production and contributes
to the performance
of structures.

Design your project: we will direct those involved

From the design of the structure – gangway or bridge – to its quick and easy construction, Tertu can provide all services on request. Whenever possible, we make our gangways from solid wood, giving priority to round wood to retain the structural qualities of the material and increase mechanical strength. Where the loads exceed operating limits, we assemble mixed wood & steel structures.

Tertu Gangways: safety is optimized by calibrated and physically constraining "openings" which adapt to the dimensions of the equipment delivered.

Tertu Bridges: the company makes an overall commitment, which can go from the start of design to the coordination of checks.

Wood: a material for the 21st century

Its mechanical performance and ecological balance give wood a dual advantage over inert materials.

• **Impact resistance: wood absorbs shock.** In contrast to the extreme rigidity of steel and concrete, wood responds with flexibility which diffuses the shock wave instead of blocking it.

• **Protecting the environment: wood sets itself apart.** Wood stores CO2 whereas concrete and steel release it in great quantities during their production cycle, with the all too familiar consequences for the ozone layer

Tertu, the world's leading manufacturer of wood & steel guardrails, has unrivalled experience with this combination of materials.

Two types of crossings

Tertu pedestrian gangways,
solid wood up to 9 meters and mixed metal/wood beyond with an acceptable load of 450 Kg/m2. Could be equipped with normalized pesdestrian parapet (according norm XP98-405), T100 type.

Short span Tertu bridges for 3.5T vehicles,
designed case by case for maximum 12 m span projects.
Pedestrian parapets reinforced T100 with T18 or T22.

Design notes

Tertu gangways and bridges comply with the standards in force. They pass the loading tests, in accordance with fascicule 61 of the CCTG (design, calculations and structural testing), with guaranteed compliance.
The design notes are based on the following DDE (French Road & Infrastructures Administration fascicule:

- CB 71 (design rules for wooden frameworks)

- CB 61 (design and calculation of bridges and steel structures).