

# T 40



At the start of the 1990s, our Research and Development Department came up with a new concept: the combination of wood and steel which solves several problems:

- using the aesthetic, braking mechanics and damping properties of wood.
- reinforcing naturally heterogeneous wood with a steel frame.

Our range of guardrails based on this concept is covered by several patents.



## T40 mixed wood & steel guardrails

# A higher containment level

## A wood & steel safety barrier for heavy vehicles.

The first double-mixed wood & steel guardrail capable of retaining a 13-T bus. The originality of the operation of this device consists in the superimposition of two rows of half logs:

- when the vehicle is heavy, both rows come into action;
- when the vehicle is lighter, the lower log is most active.

Thanks to a small working width, this guardrail is especially recommended for protecting obstacles on the side of roads, particularly trees.

- High performance in accordance with the double containment criteria : H2 - heavy goods vehicles and N2 - private cars.
- Low deformation in the face of obstacles and severe differences in level.
- Easy to assemble and quick to install.



# T40 mixed wood & steel guardrails



two half-round logs diameter 22 cm, length 4.00 m or 2.00 m reinforced steel U-profile at the rear.



IPE 140 post covered with wood with a steel spacer.

## ASSEMBLY



## TESTING CONDITIONS

Containment level	Crash tests Criteria				Kinetic energy KJ	Recommended level of use
	Test	Speed of impact Kph	Angle of impact °	Total weight of vehicle Kg		
H2	TB 51	70 Kph	20°	13 000 Kg	287.6 KJ	High containment
N2	TB 32	110 Kph	20°	1 500 Kg	81.9 KJ	Normal containment
	TB 11	100 Kph	20°	900 Kg	40,6 KJ	

## PERFORMANCES

	Working width W	Severity class
T40 4MS2	H2 = W4 (1.20 m)	B (ASI ≤ 1.4)
T40 4MS2	N2 = W3 (1.00 m)	

## Standards



All our guardrails have been tested in accordance with the requirements of the EN 1317 1 and 2 standards. They are approved for use in France and in several other European countries.

T40 4MS2: containment level H2 and N2

Initial French approval No. 2003-13 of 31 January 2003

All our guardrails are certified in accordance with ISO 9001 and comply with the CE marking requirements.

Pressure-treated wood with chromium and arsenic-free preservatives

