# Natural Looking Traffic Barriers TECNOVIAL



#### GENERAL TECHNICAL CHARACTERISTICS

Tecnovial's natural looking traffic barriers are conceived to conceal road safety and natural aesthetics for touristic venues.

This solution consists of a steel plate which is attached to steel posts. The whole structure is covered in treated wood to potentiate the landscape's allure. These traffic barriers reduce the impact strength and prevent errant vehicles to get off the route, thus, protecting passenger's lives.

Tecnovial counts on a certified Integrated Management System according to ISO 9001:2008 (Quality), ISO 14001:2004 (Environment) and OHSAS 18001:2007 (Safety).

## **Advantages**

Tecnovial's natural looking traffic barriers are easy to transport and quick to assemble. They require low maintenance because of their components which are made of galvanized steel and wood coverage which is specially treated to resist various climate conditions.

In spite of its natural and harmonious with the environment look, these traffic barriers offer resistance and safety, and are certified under the European Norm EN 1317-2 (Vol. 6 of the Highways Handbook) having succeeded in the crashing tests required to their manufacture and sale in the European Union.

#### MOTORCYCLISTS' PROTECTIONS

Tecnovial's natural looking traffic barriers may consider a wood covered plate under the guard rail to prevent motorcyclists to slide under the guard rail in case of impact. This element is ideal for sharp turns' areas.



## NATURAL LOOKING TRAFFIC BARRIER

This solution is intended for bridges and other pedestrian walkways. It is compound of a steel guard rail which is fixed to steel posts or stakes; the whole structure is covered in treated wood to resist hard climate conditions.

This solution prevents pedestrians from falling and cushions the vehicles impact through a strong, aesthetic and easy to assemble and transport system.

#### TECHNICAL DETAILS

#### Components

- C100 1800 mm Steel Posts: They support the guard rail and have 2 external wood covers (lengths of 530 mm and 660 mm)
- Arc Clamps: They fix the steel band to the post.
- 100 x 5 mm wide and 3990 mm long Plane Steel Segments: They are horizontally installed in front of the posts.
- 650 mm long Special Elements: They join inner steel parts into a solid steel band.
- Steel Fences: They are embedded inside the external section of specially adequate wood (1980 mm long and 180 mm wide).

## **Components' Characteristics**

- All of the woods are impregnated and chrome free according to D1N 68 800, part 3 standard, level 4 treatment (suitable for outdoors use).
- Galvanized metal and climate proof wood guarantee an extended lifespan with no maintenance required.
- All of the parts are galvanized according to DIN EN 1461 standard.



Climate resistant and an aesthetic contribution to touristic venues

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#### **STEP 1**

After attaching the post and joining it into the deformation arc element, the steel/wood beam must be fixed to the clamp by a bolt in both sides. This can be achieved in few seconds.

# STEP 2

Later, the steel supporting (that joins the pieces) must be positioned from below towards the center of the beams. This one is also fixed only by one bolt in each side. After completing the beams installation, two wood covers are put around the steel posts for the whole structure to seem being built in wood.

# STEP 3

Afterwards, the steel parts are embedded inside the wood external section.

# TURNED DOWN END TERMINAL OF THE NATURAL LOOKING TRAFFIC BARRIER: 12 AND 4 METERS





# NATURAL LOOKING TRAFFIC BARRIER: 4 METERS DISTANCE BETWEEN POSTS

Containment Level	Crash Test	Working Width Level	Impact Severity Level
N2	TB 32	W6	А
	TB 11	-	A







## NATURAL LOOKING TRAFFIC BARRIER: 2 METERS DISTANCE BETWEEN POSTS

Containment Level	Crash Test	Working Width Level	Impact Severity Level
N2	TB 32	W5	А
	TB 11	-	А

