



BARRIERE IN ACCIAIO CORTEN® RIVESTITE CON LEGNO LAMELLARE
CORTEN® STEEL BARRIERS CLADDED WITH LAMINATED WOOD

CORTINA N2 BP 4



BORDO PONTE

Montanti verticali in acciaio "CORTEN®" S355J0WP o acciaio Zincato S355JR, sezione a "C" di dimensioni 120x80x25 mm, spessore 4 mm e lunghezza 675 mm, con piastra e fazzoletti di rinforzo saldati alla base.

I montanti sono posti ad interasse di 4000 mm ed ancorati al supporto con barre filettate Ø 18x250mm e resina bicomponente.

Ai montanti è fissata una lamina orizzontale doppia onda in acciaio "CORTEN®" S355J0WP o acciaio Zincato S355JR di dimensioni 4318x310 mm, spessore 2,5 mm.

La fascia orizzontale si completa con il rivestimento in legno della lamina composto da travi 160x60 mm e lunghezza 1990 mm opportunamente sagomati e impregnate in linea.

La barriera può essere riqualificata rimuovendo il "kit" di rivestimento in legno con conseguente ridefinizione del dispositivo in barriera di pari classe certificata.

L'unione tra le componenti in acciaio è garantita da bulloni testa tonda ad alta resistenza Cl. 8.8 M16x40 (Lamina - Montante, con l'integrazione di una piastrina copriasola), e M16x30 (Lamina - Lamina); dadi e rondelle. Il fissaggio delle travi alla lamina è realizzato con bulloni a testa tonda Cl. 4.8 M16x60; dadi e rondelle.



MATERIALI - MATERIALS

PICEA ABIES
Lamellare GL24h
Laminated GL24h

CORTEN® STEEL
S355JOWP

ACCIAIO ZINCATO
HOT DIP GALVANIZED STEEL
S355JR

BRIDGE PROTECTION

Vertical posts in S355JOWP "CORTEN®" or hot dip galvanized S355JR steel, "C" section of dimensions 120x80x25 mm, thickness 4 mm and length 675 mm, with baseplate and gussets plates welded at the base.

The posts are placed at centers of 4000 mm and fixed with anchor bolts Ø 18x250mm and two-component resin.

A S355JOWP "CORTEN®" or hot dip galvanized S355JR steel W beam horizontal rail is fixed to the posts, with dimensions 4318x310 mm, thickness 2,5 mm.

The horizontal rail is completed with the wooden cover of the steel rail; composed of wooden beams 160x60 mm and length 1990 mm suitably shaped and impregnated.

The barrier can be repurposed by removing the wooden covering "kit" with the consequent redefinition of the device in a same class certified barrier.

The coupling between the steel components is guaranteed by high resistance round head bolts Cl. 8.8 M16x40 (Beam-Post, with the addition of a slot cover plate), and M16x30 (Beam - Beam); nuts and washers. The fixing of the half poles to the steel rail is done with round head bolts Cl. 4.8 M16x60; nuts and washers.





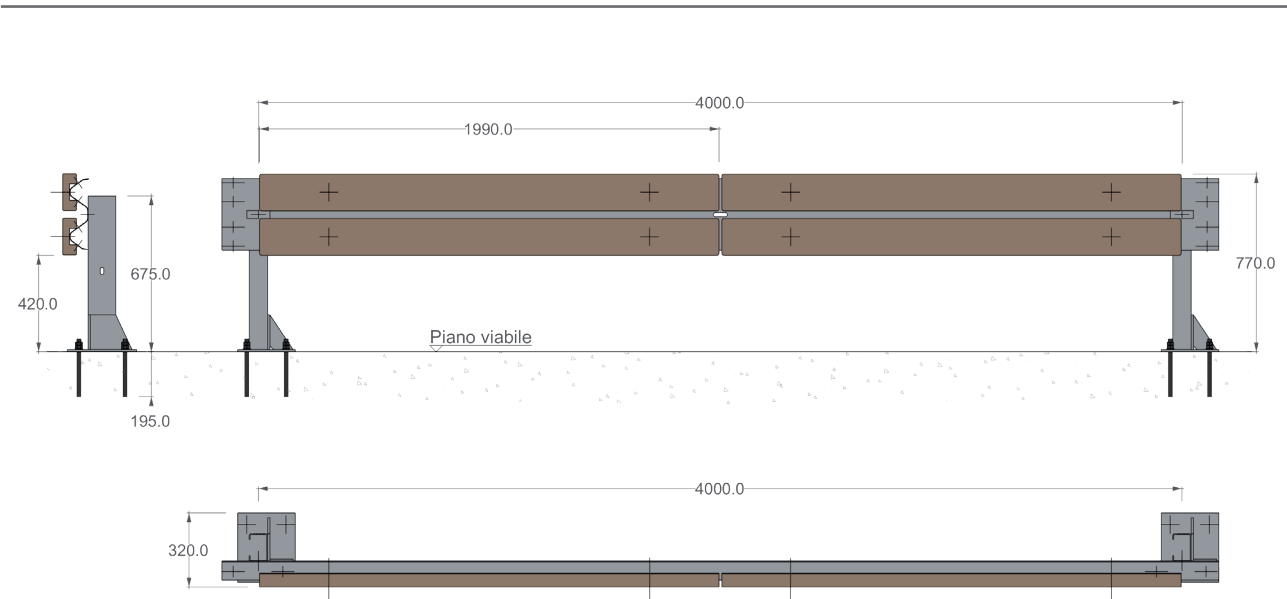
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PROSPETTI - VIEWS

N2 BP 4



EN 1317-5:2012 NORMATIVE

Modello Model	Interasse Post distance	Livello di contenimento Containment level	Deflessione dinamica normalizzata Normalized dynamic deflection	Larghezza operativa Working width	Lunghezza barriera installata Installed barrier length	Severità dell'urto Impact severity
N2 BP 4	4 m	N2	1,2 m	W4 (1,3 m)	44m	ASI A



® TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE

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Inspekční orgán / Accredited Laboratories, Authorized Body, Notified Body, Technical Assessment Body, Certification Bodies,
Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Notified Body 1020

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1020 – CPR – 090-053423

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

ROAD RESTRAINT SYSTEM

variant: road safety barrier clad with laminated wood

TRVN2BP4-L

Level of restraint	H1
Impact intensity	A
Normalised working width	W4
Normalised vehicle intrusion	VI4
Snow removal	NPD

An integral part of this certificate is annex where are specified modifications of road restraint system TRVN2BP4-L

placed on the market under the name or trade mark of

VITA INTERNATIONAL SRL

Identification No.: IT03657470989

Address: Via Averolda 28-30-32, 25039 Travagliato (BS), Italy

and produced in the manufacturing plant

Code format 001, 002, 003, 004

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 1317-5:2007+A2:2012/AC:2012

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 22nd October 2021 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

The stamp of the Notified Body 1020

Prague, 5th December 2024



Martin Pešek

Deputy Manager of the Notified Body

Annex to certificate No. 1020 – CPR – 090-053423

List of modifications of system TRVN2BP4-L

Modification 1: Possibility to use components in S355JR steel in alternative to the S355J0WP steel

Modification 2: Exchange Addition to the post of a hole 15x30mm

Modification 3: Possibility to use the Laminated Wood cover instead of the Solid Pine Wood cover, with the consequent modification of the length of the bolt connecting the wooden cover and beam from M16x80 cl.4.8 to M16x60 cl. 4.8

The stamp of the Notified Body 1020

Prague, 5th December 2024



Martin Pešek

Deputy Manager of the Notified Body