



BARRIERE IN ACCIAIO CORTEN® O ACCIAIO ZINCATO
CORTEN® STEEL OR HOT DIP GALVANIZED STEEL BARRIERS

OPTIMUS H1 BP 2



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 2000 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 barriera può essere riqualificata applicando uno specifico "kit" di rivestimento in legno (massello o lamellare) 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.



MATERIALI - MATERIALS

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 2000 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 barrier can be repurposed by applying a specific wooden covering "kit" (solid or laminated) with the consequent redefinition of the device into a barrier of the same certified class.

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.





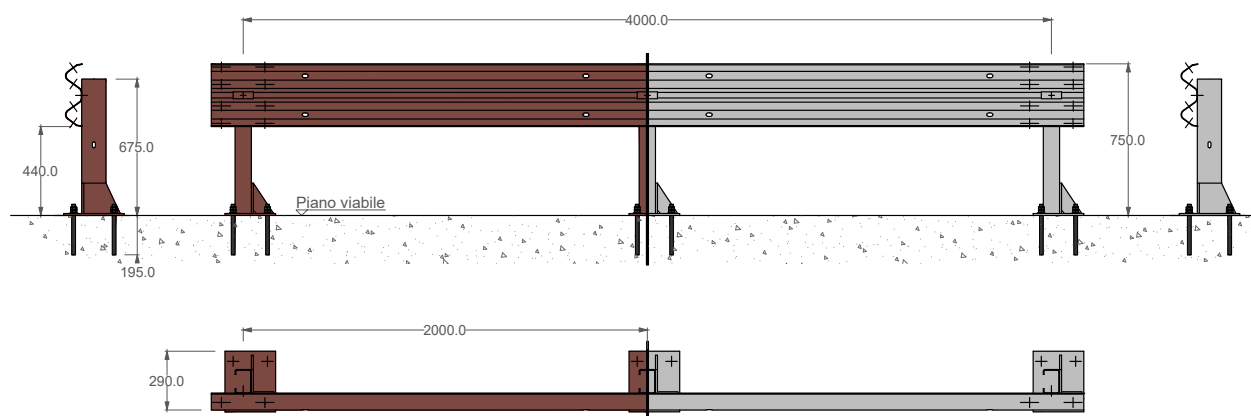
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PROSPETTI - VIEWS

H1 BP 2



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	Intrusione veicolo Vehicle intrusion
HI BP 2	2 m	H1	1,1 m	W4 (1,2 m)	48 m	ASIA	VI 4 (1,3 m)



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

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Inspection Body • Prosecká 811/76a, Prosek, 190 00 Praha 9, Czech Republic

Notified Body 1020

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No. 1020 – CPR – 090-058553

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

TRVH1BP2A

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 TRVH1BP2A

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 28th March 2023 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 – 090-058553

List of modifications of system TRVH1BP2A

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

The stamp of the Notified Body 1020

Prague, 5th December 2024



Martin Pešek

Deputy Manager of the Notified Body