

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction products

Road restraint systems – Part 5: Product requirements and evaluation of conformity for vehicle restraint systems

Safety barriers for use in vehicle restraint systems in circulation areas, with specification and performance as specified on page 2-3 in this certificate.

Product name: Sicuro Arc Bridge Parapet

placed on the market under the name or trademark of

VIK Ørsta AS

Postboks 193
NO-6150 Ørsta, Norway

and produced in the manufacturing plants

VV, VØ, 30077, 30092 and 31222

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

EN 1317-5:2007+A2:2012 and 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 2019-06-28 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402

The validity of this certificate can be verified on our website.



Martin Tillander
Director Product Certification

Certificate 0402-CPR-SC0243-11 | issue 6 | 2022-09-21

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

1141124

This document is the property of RISE and may not be reproduced other than in full, except with the prior written approval by RISE

Specification

Product	Description and configuration
<p>Sicuro Arc Bridge parapet cc 2.0 m</p>	<p>Height above road surface: 1.1 m , 1.2 m*, 1.4 m (total) 0.60 m ±0.11 m (center of rails)</p> <p>Post distance: 2.0 m</p> <p>Mounting alternative:</p> <p>Base plate*: 270 × 220 × 25 mm 274 × 276 × 25 mm (removable section)</p> <p>Common Base plate: 275 × 224 × 25 mm for M20 and M24 anchors</p> <p>Cushion plate: Special sail-shaped, thickness 5 mm</p> <p>Steel post dimensions: H=1.1 m, length=882 mm H=1.2 m, length=982 mm H=1.2 m, length=1000 mm on edge beam H=1.2 m, length=1163 mm on asphalt level H=1.4 m, length=1182 mm on edge beam Solid circular Ø65 mm post and curved U-shaped deformation element of thickness 5 mm</p> <p>Edge beam height: 0 or 150 mm</p> <p>Lower steel rail: 2 circular pipes Ø 101.6 mm, Thickness 2.9 mm For removal section: Cut out at end points 160x14 mm Internal joint/tube with a handle for sliding</p> <p>Top steel rail: Circular-U shaped 135x102 mm, thickness 4 mm</p> <p>Optional feature, infillings: Horizontal bar, Expanded steel, Vertical bars and Transparent plastic (Acoustic Screen)</p> <p>Noise barrier: Birsta noise screen H=2m, W=2m Acoustic element Thickness: 12 mm Material: Polly carbonate Post: UPE 80, UPE 100, UPE 120 Material S 355 Support beam: Two KKR 60x40 Thickness: 3 mm Material S 355 J2 Upper bracket 130×156-216×159 mm Thickness: 12 mm Material S 355 Lower bracket 137×91-151×85 mm Thickness: 8 mm Material S 355 Light opening between parapet/screen min. 91 mm – max 151 mm</p>

*ITT

Performance

Classification according to EN 1317-5:2007+A2:2012/AC:2012 (EN 1317-2:2010)

Product – Sicuro Arc Bridge parapet	Containment level	Impact severity level	Normalized working width, class [m]	Normalized dynamic deflection, [m]	Normalized Vehicle intrusion, class [m]
cc 2.0 m H= 1.1 m Edge beam height 150 mm	H2	B	W2 (0.8)	0.6	VI3 (0.9)
cc 2.0 m H= 1.2 m Edge beam height 150 mm	H2	B	W2 (0.7)	0.4	VI3 (0.9)
cc 2.0 m H= 1.2 m mounted on asphalt level	H2	B	W2 (0.8)	0.6	VI3 (1.0)
cc 2.0 m H= 1.2 m mounted on asphalt level with Birsta Noise Barrier	H2	B	W2 (0.8)	0.6	VI3 (1.0)
cc 2.0 m H= 1.2 m mounted on asphalt level with Birsta Noise Barrier and redesigned brackets	H2	B	W2 (0.8)	0.6	VI3 (1.0)
cc 2.0 m H= 1.2 m with Birsta Noise Barrier	H2	B	N/A	0.4	VI3 (0.9)
cc 2.0 m H= 1.2 m with Birsta Noise Barrier and redesigned brackets	H2	B	N/A	0.4	VI3 (0.9)
cc 2.0 m H= 1.2 m with removable section	H2	B	W2 (0.7)	0.4	VI3 (0.9)
cc 2.0 m H= 1.4 m Edge beam height 150 mm	H2	B	W2 (0.8)	0.5	VI3 (0.9)
cc 2.0 m H= 1.4 m with Birsta Noise Barrier	H2	B	N/A	0.5	VI3 (0.9)
cc 2.0 m H= 1.4 m with Birsta Noise Barrier and redesigned brackets	H2	B	N/A	0.5	VI3 (0.9)
cc 2.0 m H= 1.4 m with removable section	H2	B	W2 (0.7)	0.4	VI3 (0.9)

*N/A, No value available.

Classification according to EN 1317-5:2007+A2:2012/AC:2012 (EN 1317-2:2010)

Product	Durability	Resistance to snow removal class
Sicuro Arc Bridge Parapet	Hot dip galvanized, acc. To EN ISO 1461	Class 4