

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: Ørsta Brurekkverk (Orsta 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

VØ, 31222 and 32062

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 2011-04-04 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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-SC0240-11 | issue 5 | 2022-10-25

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Specification

Product	Description and configuration
Ørsta Brurekkverk	<p>Height above road surface: Total: 1.2 – 1.4 m Upper rail: 1.15 – 1.35 m (centre of rail)</p> <p>Post distance: 2.0 m</p> <p>Steel post dimension: Tube $\text{Ø}139.7 \times 4.0$ mm Length, with total height 1.2 m: Base plate on plinth: 0.905 m Base plate on road surface: 1.085 m Length, with total height 1.4 m: Base plate on plinth: 1.140 m Steel S355</p> <p>Base plate: 200 × 200 × 20 mm 250 × 250 × 25 mm Steel S355</p> <p>Concrete edge beam: Height: 150 mm Distance between centre of post and edge 220 – 320 mm</p> <p>Steel rail: Hand-, mid- and lower rail: $\text{Ø}114.3 \times 3.6$ mm Steel S355</p> <p>Handrail: Joint position vertically aligned with mid- and lower rail</p> <p>Infill pipes: Tube $\text{Ø}60 \times 3.65$ mm Steel S355</p>
	<p>Optional feature, infillings mounted between the steel posts: Horizontal pipe Vertical bars Net fence</p>
Birsta Noise Barrier and attachment brackets	<p>Birsta Noise Barrier with specifications in AVCP 3 report with designation SC0361-17.</p> <p>Upper bracket: 220 × 205 × 137 mm, thickness 12 mm</p> <p>Lower bracket: 200 × 155 × 92 mm, thickness 8 mm</p>

Performance

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

Product	Containment level	Impact severity level	Normalized working width, class [m]	Normalized dynamic deflection, [m]	Normalized Vehicle intrusion, class [m]
Ørsta Brurekkverk* cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.1)
Ørsta Brurekkverk* with Birsta Noise Barrier cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.1)
Ørsta Brurekkverk* H=1200 without plinth cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.0)
Ørsta Brurekkverk* H=1400 with plinth (150) cc 2.0 m	H2	B	W2 (0.8)	0.4	VI4 (0.8)
Ørsta Brurekkverk* Lower infill pipe on 1200 mm high post without plinth cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.1)
Ørsta Brurekkverk* Longitudinal joint profile and aligned vertical position cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.1)
Ørsta Brurekkverk* Changed shape of HDG holes in top plate cc 2.0 m	H2	B	W2 (0.8)	0.5	VI4 (1.1)

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

Product	Durability	Resistance to snow removal class
Ørsta Brurekkverk	Hot dip galvanized, acc. To EN ISO 1461	Class 4