

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 system in circulation areas, with specification and performance as specified on page 2-5 in this certificate.

Product name: SafeLine-R and SafeLine-R L2

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, VO, 30004, 30077, 30092, 31222, 31548, 32816 and 32964

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 2019-07-05 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.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 at RISE homepage.



Martin Tillander
Director Product Certification

Certificate 0402-CPR-SC0212-19 | issue 6 | 2023-06-30

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Specification

Product	Description and configuration
<p>SafeLine-R N2-W3-cc4 SafeLine-R N2-W4-cc6</p>	<p>Post distance: 4.0 m or 6.0 m Height from road surface: 0.76 m (total), 0.46 m (centre of lower rail) Rails: Top- and lower rail: Ø 88.9, thickness 2.9 mm Material: S355 Bolt joint: 4×M16 either vertical or angled 20° Steel post: C 100 × 60 × 25 mm, thickness 4 mm Length min 1.545 m, driven in soil min 0.80 m, 0.716 m including base plate Material: S355 BasePlate: Plate 200 × 200 × 20 mm (thickness of 20 mm is a minimum) Holes for anchoring bolts Ø 27 mm. Anchoring bolts minimum 4 × M20, 140 × 140 placement. Steel S355 Steel tape 44 × 3 mm Steel S235</p> <p>----- Handrail, option for cc 4 m Height from road surface: 1.2 m (total) Steel rail, handrail: Ø 88.9 mm, thickness 2.9 mm</p>
<p>SafeLine R H2-W5-cc2</p>	<p>Post distance: 2.0 m Height above road surface: 0.85 m (total), 0.55 m (centre of lower rail) Steel rail: Top- and lower rail: Ø 88.9, thickness 3.6 mm Material: S355 Bolt joint: 6×M16 either vertical or angled 20° Steel post: C 100 × 60 × 25 mm, thickness 4 mm Length min 1.715 m, driven in soil min 0.88 m Length 0.806 m including base plate Material: S355 Bolt joint: 6×M16 either vertical or angled 20° BasePlate: Plate 200 × 200 × 20 mm (thickness of 20 mm is a minimum) Holes for anchoring bolts Ø 27 mm. Anchoring bolts minimum 4 × M20, 140 × 140 placement. Steel S355 Steel tape 44 × 3 mm Steel S235</p>

<p>SafeLine-R H1-W3-cc4</p>	<p>Post distance: 4.0 m Height above road surface: 0.79 m (total), 0.49 m (centre of lower rail) Steel rail: Top- and lower rail: Ø 88.9, thickness 2.9 mm Material: S355 Bolt joint: 6xM16 either vertical or angled 20° Steel post dimensions: C 100 x 60 x 25 mm, thickness 4 mm Length 1.545 m, driven in soil 0.77 m Length 0.746 m including base plate Length 0.646 m for plinth high 0-100 mm Material: S355 Baseplate: Plate 200 x 200 x 20 mm (thickness of 20 mm is a minimum) Holes for anchoring bolts Ø 27 mm. Anchoring bolts minimum 4 x M20, 140 x 140 placement. Steel S355 Steel tape 44 x 3 mm Steel S235</p>
<p>SafeLine-R L2 cc2</p>	<p>Height above road surface: 0.8 m (total), 0,626 m (centre horizontal rails) Post distance: 2.0 m Steel post dimension: Main post c-profile: 120 x 80 x 25 mm Thickness: 5mm Length: -for soil: 1.636 m, driven in soil 0.85 m -for baseplate: 0.733 m Material: S355 Steel rail: Top- and lower rail: Ø 88.9 mm Thickness: 3.6 mm Length: 1996, 3996 or 5996 mm Material: S355 Bolt joint: 6xM16 either vertical or angled 20° Baseplate: Plate 200 x 200 x min 20 mm Holes for anchoring bolts max Ø27 mm Anchoring bolts min 4 x M20, 140 x 140 placement Material: Steel S355 Steel tape 44 x 3 mm Material: Steel S 235</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]
SafeLine-R N2-W3-cc4	N2	A	W3 (1.0)	0.9	NA
SafeLine-R N2-W3-cc4 with baseplate	N2	A	W3 (1.0)	1.0	NA
SafeLine-R N2-W3-cc4 with handrail	N2	A	W3 (1.0)	0.8	NA
SafeLine-R N2-W3-cc4 with vertical joint bolts	N2	A	W3 (1.0)	0.9	NA
SafeLine-R N2-W4-cc6	N2	A	W4 (1.3)	1.1	NA
SafeLine-R N2-W4-cc6 with baseplate	N2	A	W4 (1.3)	1.3	NA
SafeLine-R N2-W4-cc6 with vertical joint bolts	N2	A	W4 (1.3)	1.1	NA
SafeLine R H2-W5-cc2	H2	A	W5 (1.6)	1.5	VI6 (1.9)
SafeLine R H2-W5-cc2 with baseplate	H2	A	W5 (1.7)	1.6	VI6 (1.9)
SafeLine R H2-W5-cc2 with vertical joint bolts	H2	A	W5 (1.6)	1.5	VI6 (1.9)
SafeLine-R H1-W3-cc4	H1	A	W3 (1.0)	0.9	VI4 (1.3)
SafeLine-R H1-W3-cc4 with baseplate	H1	A	W3 (1.0)	0.9	VI4 (1.3)
SafeLine-R H1-W3-cc4 with baseplate on plinth	H1	A	W3 (0.8)	0.7	VI4 (1.0)
SafeLine-R H1-W3-cc4 with vertical joint bolts	H1	A	W3 (1.0)	0.9	VI4 (1.3)
SafeLine-R L2-cc2*	N2	A	W2 (0.7)	0.6	NA
SafeLine-R L2-cc2 with baseplate	N2	A	W2 (0.7)	0.6	NA
SafeLine-R L2-cc2 with vertical joint bolts	N2	A	W2 (0.7)	0.6	NA

SafeLine-R L2-cc2*	H2	A	W4 (1.3)	1.2	VI5 (1.5)
SafeLine-R L2-cc2 with baseplate	H2	A	W4 (1.2)	1.1	VI5 (1.4)
SafeLine-R L2-cc2 with vertical joint bolts	H2	A	W4 (1.3)	1.2	VI5 (1.5)
SafeLine-R L2-cc2*	L2	A	W4 (1.3)	1.2	VI5 (1.5)
SafeLine-R L2 with baseplate	L2	A	W4 (1.2)	1.1	VI5 (1.4)
SafeLine-R L2-cc2 with vertical joint bolts	L2	A	W4 (1.3)	1.2	VI5 (1.5)

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

Product	Durability	Resistance to snow removal class
SafeLine-R	Hot dip galvanized, acc. To EN ISO 1461	Class 4
SafeLine-R L2	Hot dip galvanized, acc. To EN ISO 1461	Class 4