



Certificate of constancy of performance

0402 - CPR - SC0562-11

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 systems – Vehicle parapet

as specified in appendix to this certificate,
for use in vehicle restraint systems in circulation areas

**Product name: FMK-B1 “Broräcke 1- UNP Toppföljare”
(Bridge guardrail 1- tubular profiles)**

produced by

FMK Trafikprodukter AB

Box 35

195 21 Märsta

Sweden

and produced in the manufacturing plant

same as above and at factories D1, E1, and T1

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

under system 1 for the performances set out in this certificate are applied and that

the construction products fulfil all the prescribed requirements for these performances.

This certificate was first issued on 2011-07-12 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2015-06-25

**SP Technical Research Institute of Sweden
Certification, Notified Body No. 0402**

Lennart Månsson
Product Certification Manager

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Certification officer

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0402 - CPR - SC0562-11 appendix

Road restraint systems – FMK-B1 Vehicle parapet according to EN 1317-5:2007+A2:2012

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

Product	Containment level	Impact severity level	Normalized working width class (m)	Normalized dynamic deflection [m]
B1-“Broräcke 1- UNP Toppföljare” (Bridge guardrail 1-tubular profiles) CC 2 m, H1.2*	H2	B	W3 (0.9)	0.7

*ITT

Classification according to EN 1317-5:2007+A2:2012

Product	Resistance to snow removal class	Durability
B1-“Broräcke 1- UNP Toppföljare” (Bridge guardrail 1-tubular profiles)	Class 4	Hot dip galvanized, acc. to EN ISO 1461

Product description

Product	Description
B1-“Broräcke 1- UNP Toppföljare” (Bridge guardrail 1-tubular profiles) CC 2 m	Post distance: 2.0 m
	1031 mm incl. foot plate 1348 mm casted into edge beam
	Post length: 1798 mm installation in concrete foundation 2388 mm alt. 1 in soil 2420 mm alt. 2 in soil
	Post dimensions: 55x55 mm
	Barrier height above road surface: 1.20 m
	Rail type and dimensions: One top rail u-beam 120 and two tubular front rails Elliptic shape 98xØ81 mm, thickness 3 mm
	Edge beam and foot plate: Height: 150 mm, Foot plate: 250x250x25 mm (FMK-B1-1.2-FP-P-2.0)
	Concrete foundation: 1x1x0.17 m with installation depth in soil 0.25 m (FMK-B1-1.2-MB-2.0)
Grounded in soil:	Alt. 1 post equipped with 3 supports installed in tubular metal jacket Ø 159x1200 mm (FMK-B1-1.2-MF-2.0)
	Alt. 2 post with welded cylinder tube Ø 139.7 mm x 1200 mm (FMK-B1-1.2-MC-2.0)
Optional feature:	Splash protection system (article no FMK-B1-S2)