



# Certificate of constancy of performance

0402 - CPR – SC1565-12

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 – Safety barrier** for use in restraint system for circulation areas, as specified in appendix to this certificate.

**Product name: Z E12**

placed on the market under the name or trademark of

**AB Varmförzinkning**  
**Box 144, SE-333 23 Smålandstenar**  
**Sweden**

and produced in the manufacturing plants

**same as above**

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:2013**

under system 1 for the performances 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 2012-10-12 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

2016-03-18

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

Lennart Månsson  
Product Certification Manager

Linda Ring Thorén  
Certification officer

# Certificate of constancy of performance

0402 - CPR – SC1565-12 appendix

## Road restraint system- Safety barrier

Intended use: vehicle restraint system in circulation areas.

### Classification according to EN 1317-5:2007+A2:2012/AC:2013 (EN 1317-2:2010)

Product	Containment level	Impact severity level	Normalized working width, class (m)	Normalized dynamic deflection, [m]
<b>Z E1 2*</b> CC 2 m	N2	A	W5 (1.6)	1.5

ITT\*

### Classification according to EN 1317-5:2007+A2:2012/AC:2013

Product	Durability	Resistance to snow removal class
<b>Z E1 2</b>	Hot dip galvanized, acc. to EN ISO 1461	Class 1 – Yield strength $R_{eh} \leq 530$ MPa Class 3 – Yield strength $R_{eh} > 530$ MPa

### Product description and configuration

Product	Description										
<b>Z E1 2</b> CC 2 m	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Post distance:</td> <td style="width: 50%;">2.0 m</td> </tr> <tr> <td>Height above road surface:</td> <td>0.63 m (total), 0.55 m (centre of rail)</td> </tr> <tr> <td>Steel rail:</td> <td>thickness: 2.0 mm, elliptical-shaped</td> </tr> <tr> <td>Post embedment:</td> <td>min 0.8 m</td> </tr> <tr> <td>Steel post:</td> <td>length 1380 mm, sigma shaped</td> </tr> </table>	Post distance:	2.0 m	Height above road surface:	0.63 m (total), 0.55 m (centre of rail)	Steel rail:	thickness: 2.0 mm, elliptical-shaped	Post embedment:	min 0.8 m	Steel post:	length 1380 mm, sigma shaped
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