

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 product

Fixed, vertical road traffic signs – Part 1: Fixed signs

Supports supplied for fixed vertical signs for use in stock items, with specification and performance as specified on page 2-4 in this certificate.

Product name: Lattix 4438, Lattix 4425, Lattix 4425FR, Lattix 4430, Lattix 4420, Lattix 4420FR, Lattix 4412 and Lattix 4412FR

placed on the market under the name or trademark of

Lattix Production AB

Dingelvik, Karls Gärde 2
SE-666 94 Dals Långed, Sweden

and produced in the manufacturing plant
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 12899-1:2007

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 2012-04-12 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402
The validity of this certificate can be verified on our website.



Martin Tillander
Director Product Certification

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.

Certificate 0402-CPR-SC0444-12 | issue 5 | 2022-09-03

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Specification

Lattix 4438

Mast dimension:	Square profile: 375 × 375 mm Length: max 8.623 m Material: Aluminum
Baseplate:	Plate: 560 × 560 mm Thickness: 30 mm Material: Steel
Baseplate bolts:	8 × M14 Length: 150 mm
Foundation bolts:	4 × M30

Lattix 4425

Mast dimension:	Square profile: 246.5 × 246.5 mm Length: max 8.62 m Material: Aluminum
Baseplate:	Plate: 400 × 400 mm (FR: 400 × 400 mm) Thickness: 25 mm Material: Steel
Baseplate bolts:	8 × M12 Length: 140 mm
Foundation bolts:	4 × M24

Lattix 4430

Mast dimension:	Square profile: 300 × 300 mm Length: max 8.62 m Material: Aluminum
Baseplate:	Plate: 460 × 460 mm Thickness: 25 mm Material: Steel
Baseplate bolts:	8 × M12 Length: 140 mm
Foundation bolts:	4 × M24

Lattix 4420

Mast dimension: Square profile: 197.5 × 197.5 mm
Length: max 8.65 m
Material: Aluminum

Baseplate: Plate: 340 × 340 mm (FR: 300 × 300 mm)
Thickness: 20 mm
Material: Steel

Lattix 4412

Mast dimension: Square profile: 125 × 125 mm
Length: max 6.94 m
Material: Aluminum

Baseplate: Plate: 300 × 300 mm (FR: 200 × 200 mm)
Thickness: 20 mm
Material: Steel

Performance

According to EN 12899-1:2007, Table ZA.2

	Lattix 4438	Lattix 4425 Lattix 4425FR	Lattix 4430
Resistance to horizontal loads Maximum bending moment, M_u [kNm] *	170.27	78.62	93.70
Resistance to bending Stiffness for bending, EI [kNm ²]	6422	2160	3120
Resistance to torsion Maximum moment for torsion, T_u [kNm] *	21	7.6	9.70
Stiffness for torsion, $G I_t$ [kNm ²]	630	134	339

*These values do not include the partial material factor $\gamma_m=1.15$ for aluminum

According to EN 12899-1:2007, Table ZA.2

	Lattix 4420 Lattix 4420FR	Lattix 4412 Lattix 4412FR (Parallel to massive walls)	Lattix 4412 Lattix 4412FR (Parallel to lattice walls)
Resistance to horizontal loads Maximum bending moment, M_u [kNm] *	40	16	13
Resistance to bending Stiffness for bending, EI [kNm ²]	728	251	208
Resistance to torsion Maximum moment for torsion, T_u [kNm] *	4.5	1.4	1.4
Stiffness for torsion, $G I_t$ [kNm ²]	71	18	18

*These values do not include the partial material factor $\gamma_m=1.15$ for aluminum

Performance under vehicle impact (passive safety) – According to EN12767:2019

Lattix 4438	100-NE-C-R-SE-MD-0
Lattix 4425 Lattix 4425FR	100-NE-C-S-SE-MD-0
Lattix 4430	100-NE-C-S-SE-MD-0
Lattix 4420 Lattix 4420FR	100-NE-B-S-SE-MD-0
Lattix 4412 Lattix 4412FR	100-NE-C-S-SE-MD-0

Durability

Resistance to corrosion – Aluminum	SP2, Inherent surface protection provided
Resistance to corrosion – Steel	SP1, Hot dip galvanized according to EN ISO 1461