



Certificate of constancy of performance

0402 - CPR - SC0444-12

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

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

for use as supports supplied for fixed vertical signs, stock items,
as specified in appendix to this certificate.

**Product name: Lattix 4438, Lattix 4425, Lattix 4425FR, Lattix 4420,
Lattix 4420FR, Lattix 4412, Lattix 4412Steel, Lattix 4412FR**

placed on the market under the name or trademark of

**Lattix Production AB
Dingelvik, Karlsgärde 2
SE-660 10 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are modified significantly, unless suspended or withdrawn by the notified product certification body.

2017-04-20

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

Lennart Aronsson
Product Certification Manager

Martin Tillander
Certification officer

Certificate of constancy of performance

0402 - CPR - SC0444-12 appendix

Fixed, vertical road traffic signs - Part 1: Fixed signs, *Lattix 4438, Lattix 4425, Lattix 4425FR, Lattix 4420, Lattix 4420FR, Lattix 4412, Lattix 4412Steel, Lattix 4412FR*

supports supplied for fixed vertical signs, stock items.
Extruded aluminum supports with square cross-section and base plate in steel or aluminum.

Performance/Classification:

Resistance to horizontal loads	Lattix 4438	Lattix 4425 Lattix 4425FR	Lattix 4420 Lattix 4420FR	Lattix 4412, Lattix 4412Steel Lattix 4412FR (Parallel to massive walls)	Lattix 4412, Lattix 4412Steel Lattix 4412FR (Parallel to lattice walls)
Maximum bending moment, M_u [kNm] ^{*)}	152	68	40	16	13
Stiffness for bending, EI [kNm ²]	5069	1962	728	251	208
Maximum moment for torsion, T_u [kNm] ^{*)}	21	7,6	4,5	1,4	1,4
Stiffness for Torsion, GI_t [kNm ²]	630	134	71	18	18
Stiffness for Torsion, GI_t [kNm/(deg/m)]	11,0	2,33	1,24	0,32	0,32

*) The moments do not take into account the partial material factor (γ_m). EN 12899-1 gives a γ_m for aluminium of 1.15.

Performance under vehicle impact (passive safety) according to EN 12767:2000	Value
Lattix 4438, Lattix 4425, Lattix 4425FR, Lattix 4412, Lattix 4412Steel, Lattix 4412FR	100,NE,2
Lattix 4420, Lattix 4420FR	100,NE,3

Durability	Value/description
Resistance to corrosion (aluminum)	class SP2
Resistance to corrosion (steel)	class SP1 (hot dip galvanized)



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Specifications:

Support Dimension and Material	Lattix 4438	Lattix 4425 Lattix 4425FR	Lattix 4420 Lattix 4425FR	Lattix 4412 Lattix 4412Steel Lattix 4412FR
Support, material	Aluminium			
Support, length max. [mm]	8623	8620	8650	6940
Support side, width [mm]	375	246,5	197,5	125
Support module, length max. [mm]	773	500	285	285

Baseplate Dimension and Material	Lattix 4438			Lattix 4425		Lattix 4420		Lattix 4412		
Sub type denomination	-	-	FR	-	FR	-	FR	-	FR	Steel
Base plate, material	Steel	Steel	Steel	Steel	Steel	Aluminum	Steel	Steel	Steel	Steel
Base plate, side width [mm]	560	400	400	340	300	196	300	200	200	200
Base plate, thickness [mm]	30	25	25	20	20	42	20	20	20	20

