



Certificate of constancy of performance

1358 – CPR – 0159/2

In compliance with Regulation (EU) 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

Triplesign XP Traffic

which as variable message traffic sign is used for the information, guidance, warning and direction of road users.

Placed on the market under the name or trade mark of

**Triple Sign System AB,
Värmdövägen 738, 132 35 Saltsjö-Boo,
Sweden**

and produced in the manufacturing plant

**Triple Sign System AB,
Källebergsvägen 9, 576 96 Vrigstad,
Sweden.**

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12966-1: 2005+A1: 2009

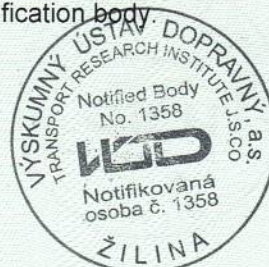
under system 1 for the performances set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 29 June 2017 and will remain valid as long as neither the harmonized standard, the construction product, the assessment and verification of constancy of performance methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Žilina 17 March 2023

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Ing. Michal Kais
Head of Certification body
for products

The performance of the construction product Triplesign XP Traffic:

Essential characteristics	Method	Declared
Resistance to horizontal loads		
- partial safety factor	EN 12899-1: 2007 Table 6: Partial safety factor	PAF2
- Temporary deflections caused by wind loads	EN 12899-1: 2007 Table 8: Wind actions	WL5, WL9 ^{a)}
- Permanent deflections caused by dynamic snow loads	EN 12899-1: 2007 Table 9: Dynamic snow pressure	DSL4
- Point loads	EN 12899-1: 2007 Table 10: Point loads	PL5
- Temporary bending deflection	EN 12899-1: 2007 Table 11: Bending	TDB1, TDB2 ^{a)}
- Temporary torsion deflection	EN 12899-1: 2007 Table 12: Torsion	TDT0 ^{b)}
Impact resistance		
- Impact resistance	EN 12966-1:2005+A1:2009, Table 13: Impact test (EN 60598-1)	Pass
Visibility characteristics		
- Daylight chromaticity & luminance factor	EN 12899-1: 2007, 4.2	CR1, CR2, NR1 ^{c)}
- Retroreflectivity	EN 12899-1: 2007, 4.2	RA1, RA2, RA3
Durability		
Mechanical characteristics		
- Vibration resistance	EN 12966-1:2005+A1:2009, Table 14: Vibrations test, (EN 60068-2-64)	Pass
- Resistance to corrosion	EN 12966-1:2005+A1:2009, Table 15: Corrosion test, (EN ISO 9227)	Pass
- Ingress of water and dust	EN 12966-1:2005+A1:2009, Table 16: Water penetration test and Table 17: Dust penetration test, (EN 60529)	IP56
- Extreme temperature	EN 12966-1:2005+A1:2009, Table 18: Change of temperature, (EN 60068-2-14 Test Nb)	T1/T2/T3
	EN 12966-1:2005+A1:2009, Table 18: Damp heat cycling, (EN 60068-2-30 Test Db)	T1/T2/T3
Visibility characteristics		
- accelerated weathering	EN 12899-1: 2007, 4.1.1.5, 7.2.2.1.4	Pass
Release of dangerous substances	According to national regulation of member state of destination	NPD

Notes: ^{a)} WL, TDB classes are determined by the manufacturer based on the sign construction

^{b)} The variable traffic sign is fixed to two supports at least

^{c)} Performance level of visibility characteristics is determined by the manufacturer based on the used sheeting with their components

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