



# Certificate of constancy of performance



Number	0620-CPR-79267/02	Replaces	0620-CPR-79267/01
Issued	2015-01-29	First issued under CPR	2013-10-15

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

whereby the scope of construction product listed on page 2 of this certificate  
produced by

**Nedal Aluminium b.v.**

and produced in the manufacturing plant

**Utrecht**

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

**EN 12899-1:2007**

under system 1 for the performances set out in this certificate are applied and that the construction product fulfill all the prescribed requirements for these performances.

This certificate was first issued on 2015-01-29 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 performances 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construction product and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

Bouke Meekma  
Director Kiwa Nederland B.V.

Advise: consult [www.kiwa.nl](http://www.kiwa.nl) to check whether the certificate is valid.

Certificate

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## Fixed, vertical road traffic signs

**Conical straight Column**  
**Stepped straight Column**  
**Cylindrical straight Column**

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 2.6 m, with root section, a circular cross section with a base diameter of at least 100 mm and nominal wall thickness of 3 mm or more. Without door section.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 3.6 m, with root section or flange plate, a circular cross section with a base diameter of at least 114 mm and nominal wall thickness of 2.5 mm or more. With a single door at 400 mm above ground level or more, maximum door of 400x85 mm. Equipped with a standard expanded inner reinforcement tube.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 5.4 m, with root section or flange plate, a circular cross section with a base diameter of at least 114 mm and nominal wall thickness of 2.5 mm or more. Without door section.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 5.4 m, with root section or flange plate, a circular cross section with a base diameter of at least 120 mm and nominal wall thickness of 3 mm or more.

With a single door at 1200 mm above ground level or more, maximum door of 400x85 mm. Equipped with a standard expanded inner reinforcement tube.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 5.3 m, with root section or flange plate, a circular cross section with a base diameter of at least 135 mm and nominal wall thickness of 3 mm or more.

With a single door at 600 mm above ground level or more, maximum door of 600x110 mm. Equipped with a standard expanded inner reinforcement tube.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 5.4 m, with root section or flange plate, a circular cross section with a base diameter of at least 145 mm and nominal wall thickness of 3 mm or more.

With a maximum single door of 500x100 mm at a minimum height above ground level of 1200 mm or with a maximum single door of 400x85 mm at a minimum height above ground level of 400 mm. Equipped with a standard expanded inner reinforcement tube.

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height up to and including 5.4 m, with root section or flange plate, a circular cross section with a base diameter of at least 165 mm and nominal wall thickness of 3 mm or more.

With a single door at 600 mm above ground level or more, maximum door of 600x110 mm. Equipped with a standard expanded inner reinforcement tube.

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## **Passive safety performance class 70,NE,2**

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height from 2 m up to and including 5.3 m, and a maximum planting depth of 1000 mm, a circular cross section with a base diameter of 165 mm and nominal wall thickness of 3 mm. Equipped with a single door at 600 mm above ground level and equipped with a standard expanded inner reinforcement tube (1).

## **Passive safety performance class 70,NE,3**

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height from 2 m up to and including 3.1 m, and a maximum planting depth of 800 mm, a circular cross section with a base diameter of 135 mm and nominal wall thickness of 3 mm. Equipped with a single door at 600 mm above ground level and equipped with a standard expanded inner reinforcement tube (1).

## **Passive safety performance class 100, NE, 2:**

Aluminium vertical road traffic supports for signs and signal heads, without a bracket. Height from 2 m up to and including 5.4 m, and a maximum planting depth of 600 mm, a circular cross section with a base diameter of 165 mm and nominal wall thickness of 3 mm. Equipped with a single door at 1200 mm above ground level and equipped with a standard expanded inner reinforcement tube. Equipped with an intermediate HDPE sleeve. Backfill: "Rigid type R" according to EN 12767 Annex A: Backfill Types (1).

These passive safety classes have been determined by means of:

(1) full scale crash tests performed by TNO Science & Industry (since 2008: TÜV Rheinland TNO Automotive International B.V. accredited test institute), in conformance with the specifications of EN12767

All passive safety classifications are relevant for columns mounted in standard backfill (type A) as defined in EN 12767 unless explicitly stated otherwise.