



# Certificate of constancy of performance 0620-CPR-79267/06



Issued	2020-06-10	Replaces	0620-CPR-79267/05
First issued	2013-10-15	Page	1 of 2

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

## **Aluminium supports supplied for fixed vertical signs**

whereby the scope of construction product(s) is listed on page 2 of this certificate placed on the market under the name or trademark of

### **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 described 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 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 2013-10-15 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Ron Scheepers  
Managing director

*Publication of this certificate is allowed.*

*Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

# CERTIFICATE

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## Aluminium supports supplied for fixed vertical signs

### Construction products

Aluminium supports supplied for fixed vertical road traffic signs and intended for use as stock items (described by performance) according to EN 12899-1: 2007 - Annex ZA.2 as indicated in the table below and for which at least one of the essential characteristics is declared as specified in the paragraph below.

The supports are:

- 1) Stepped, conical or cylindrical aluminium lighting columns without bracket;
- 2) with root section or flange plate
- 3) Equipped without 0 or more doors and expanded inner reinforcement tube (reinforced door opening according to EN40-3-3 type 5)
- 4) installed with ALC MK3 Hinge above door with an maximum base capacity of 25,26 kN and a maximum Hinge capacity of 13,6 kN.

### Essential characteristics

#### **Resistance to horizontal loads, bending and torsion**

The supports within the scope of this certificate are calculated and designed according to EN 12899-1 – Ch. 5.4.3.

#### **Performance under vehicle impact (passive safety according to EN 12767)**

For the aluminium supports which are within the range of the table below the performance class (passive safety code) is determined.

The supports may be:

- 1) Stepped, conical or cylindrical aluminium lighting columns without bracket;
- 2) with root section (no flange plate);
- 3) Equipped with 0 or more doors and expanded inner reinforcement tube (reinforced door opening according to EN40-3-3 type 5).
- 4) installed with ALC MK3 Hinge above door with an maximum base capacity of 25,26 kN and a maximum Hinge capacity of 13,6 kN (NE-class).

Passive safety code EN 12767: 2019	Passive safety code EN 12767: 2007	Max. length [m]	Max. bending capacity at ground level [kNm] <sup>1)</sup>	Backfill type	Other characteristics
50-NE-B-S-SE-MD-0 70-NE-B-S-SE-MD-0	70-NE-3	3,1	6,27	S	
50-NE-B-S-SE-MD-0 70-NE-C-S-SE-MD-0	70-NE-2	5,3	9,47	S	
100-NE-C-R-SE-MD-0	100-NE-2	5,4	9,47	R	Equipped with an intermediate HDPE sleeve
50-NE-C-S-SE-MD-0 70-NE-C-S-SE-MD-0 100-NE-C-S-SE-MD-0	100-NE-2	10	9,84	S	HDPE root section

1) Maximum bending moment capacity at ground level according to EN 1999-1-1

#### **Corrosion resistance**

Any part of an aluminium support which will be placed underground will be provided with a protective coating, Class SP1, according to EN 12899-1 – Ch. 7.1.7.

#### **Resistance to penetration of dust and water**

If support is provided with compartments for electrical equipment the hollow section supports shall be sealed at the top to prevent ingress of water, according to EN 12899-1 Ch. 6.1.

Where electrical apparatus is to be housed in a support, the support is fitted with a base compartment with an IP rating of IP4x, PASS, according to EN 12899-1 Ch. 6.2.