



Rue Ravenstein, 4 B-1000 BRUXELLES

Certificat de constance des performances

1148-CPR-(20)090709

Conformément au Règlement 305/2011/EU du Parlement européen et du Conseil du 9 mars 2011 (le Règlement des Produits de la Construction ou CPR), ce certificat s'applique au produit de construction :

**Ensembles complets de panneaux fixes de signalisation routière verticale (Portée
décrite au tableau ci-après)**

placé sur le marché sous le nom ou la marque de

Hydro Extrusion Drunen BV

Alcoalaan 12

NL-5151 RW DRUNEN

et fabriqué dans les établissements de fabrication

Pole Products, Alcoalaan 12, NL-5151 RW DRUNEN

Ce certificat atteste que toutes les dispositions concernant l'évaluation et la vérification de la constance des performances et les performances décrites dans l'annexe ZA des normes

EN 12899-1:2007

sous le système **1** pour les performances décrites dans ce certificat sont appliquées et que le contrôle de production en usine appliqué par le fabricant est considéré assurer

la constance des performances du produit de construction.

Ce certificat fut délivré pour la première fois le (20)090709 et demeure valide tant que ni la norme harmonisée, ni le produit de construction, ni le système d'évaluation et de vérification de la constance des performances, ni les conditions de fabrication dans l'établissement de fabrication ne soient modifiés de manière significative, à moins d'une suspension ou d'un retrait par l'organisme notifié de certification des produits.

Bruxelles, 20180518

Jacques DEFOURNY, Président du Conseil d'administration

The validity of the present certificate is confirmed if visible on the OCAB-OCBS website



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Rue Ravensteinstraat 4 B-1000 BRUSSELS

Certificate of constancy of performance

1148-CPR-(20)090709

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:

Complete sets of fixed panels of vertical road signs (Scope in enclosed table)

placed on the market under the name or trademark of

Hydro Extrusion Drunen BV

Alcoalaan 1

NL-5151 RW DRUNEN

and produced in the manufacturing plants

Pole Products, Alcoalaan 12, NL-5151 RW DRUNEN

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

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 (20)090709 and will remain valid as long as neither the harmonised standard, the construction product, the system of assessment and verification of constancy of performance nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Brussels, 20180518

Jacques DEFOURNY, Chairman of the Board

The validity of the present certificate is confirmed if visible on the OCAB-OCBS website



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CE Certificate: List of approved products

Products	Qualities and categories	Dimensions
Harmonised standard under reference: hEN 12899-1:2007		
<p>A. Supports for use with fixed vertical road traffic signs including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 12966-1:2009</p> <p>Material – Extruded aluminium stepped or conical circular tubes Grade – $f_y = 160 \text{ N/mm}^2$ (characteristic elastic limit) Dimensions expressed in nominal diameter and nominal wall thickness from 76 mm by 2.5 mm to 250 mm by 4.0 mm with</p> <p>Structural Performance declared by the Producer according to hEN12899-1:2007, §5 Durability: Resistance to corrosion – Aluminium; SP1 with or without Performance under vehicle impact (passive safety) for single post supports:</p> <p>1. Products with nominal diameter / nominal wall thickness 250 mm / 4.0 mm, with nominal height of 15 m and all smaller members, but over 2 m, supplied with internal shear mechanism and founded using a backfill type X with a TOAD® (**) or a backfill type R (Rigid). Performance under vehicle impact type 100,NE,3 (*)</p> <p>2. Products with nominal diameter / nominal wall thickness 250 mm / 4.0 mm, with nominal height of 15 m and all smaller members, but over 2 m, supplied with internal shear mechanism and founded using a backfill type X with a TOAD® (**) or a backfill type R (Rigid). Performance under vehicle impact type 70,NE,3</p> <p>3. Products with nominal diameter / nominal wall thickness 165 mm / 3.3 mm, with nominal height of 10 m and all smaller members, but over 2 m using Standard Soil or Rigid (backfill type S or R). Performance under vehicle impact type 100,NE,2 (*)</p> <p>4. Products with nominal diameter / nominal wall thickness 165 mm / 3.3 mm, with nominal height of 10 m and all smaller members, but over 2 m using Standard Soil or Rigid (backfill type S or R). Performance under vehicle impact type 70,NE,2</p> <p>(*) also including multilegged supports with clear distances greater than 1 600 mm in class 100,NE,2 (according to EN 12767:2007, §4.3.7 and Annex F note C ; $1\,600\text{mm} = 1\,500/\cos 20^\circ$) (**) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV</p>		

CE Certificate: List of approved products

Products	Qualities and categories	Dimensions
Harmonised standard under reference: hEN 12899-1:2007		
<p>B. Supports for use with fixed vertical road traffic signs including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 12966-1:2009</p> <p>Material – Extruded aluminium stepped or conical circular tubes Grade – $f_y = 160 \text{ N/mm}^2$ (characteristic elastic limit) Dimensions expressed in nominal diameter and nominal wall thickness Of 145 mm by 3.0 mm with</p> <p>Structural Performance declared by the Producer according to hEN12899-1:2007, §5 Durability: Resistance to corrosion – Aluminium; SP1 with or without Performance under vehicle impact (passive safety) for shored up multi-legged supports:</p> <p>5. Products made of multi-legged and shored up supports with nominal diameter / nominal wall thickness 145 mm / 3.0 mm and an offset of 2250 mm at ground level, supplied with internal shear-mechanisms in each leg, used for a maximum sign plate-height of totally 7.5 m and all smaller heights, founded using a backfill type X with a TOAD® (**) or a backfill type R (Rigid).</p> <p>Performance under vehicle impact type 100,NE,2</p> <p>(**) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV</p>		
<p>C. Supports for use with fixed vertical road traffic signs including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 12966-1:2009</p> <p>Material – Extruded aluminium stepped or conical circular tubes Grade – $f_y = 160$ or 260 N/mm^2 (characteristic elastic limit) Dimensions expressed in nominal diameter and nominal wall thickness from 76 mm by 2.5 mm to 330 mm by 12.5 mm with</p> <p>Structural Performance declared by the Producer according to hEN12899-1:2007, §5 Durability: Resistance to corrosion – Aluminium; SP1 Without Performance under vehicle impact (passive safety)</p> <p>6. Products with nominal height of 10 m and all smaller members, but over 2 m.</p>		

CE Certificate: List of approved products

Products	Qualities and categories	Dimensions
Harmonised standard under reference: hEN 12899-1:2007		
<p>D. Supports for use with fixed vertical road traffic signs including among others signal heads according to EN 12368:2006 and variable message traffic signs according to EN 12966-1:2009</p> <p>Material – Extruded aluminium stepped or conical circular tubes Grade – $f_y = 160 \text{ N/mm}^2$ (characteristic elastic limit) Dimensions expressed in nominal diameter and nominal wall thickness 165 mm by 3.3 mm with</p> <p>Structural Performance declared by the Producer according to hEN12899-1:2007, §5</p> <p>Durability: Resistance to corrosion – Aluminium; SP1 with or without Performance under vehicle impact (passive safety) for single post supports:</p> <p>7. Products with above mentioned nominal diameter and nominal wall thickness, with maximum nominal height of 2.6 m and all smaller members, but over 2 m, with a top load of maximal 200 kg founded using a backfill type R (Rigid) (**).</p> <p>Performance under vehicle impact type 100,NE,2</p> <p>(**) as described in the specific report of the assessment of the performance prepared and issued by OCAB-OCBS for HYDRO EXTRUSION DRUNEN BV</p>		