



Ravensteinstraat 4 B-1000 BRUSSEL

Certificaat van prestatiebestendigheid

1148-CPR-(20)181229

Overeenkomstig de Verordening 305/2011/EU van het Europees Parlement en de Raad van 9 maart 2011 (de Bouwproductenverordening of BPV), is dit certificaat van toepassing voor het bouwproduct

Lichtmasten voor openbare verlichting

in de handel gebracht onder de naam of het merk van

Hydro Extrusion Drunen BV

Alcoalaan 1

NL-5151 RW DRUNEN

en vervaardigd in de productie-installatie

Pole Products, Alcoalaan 12, 5151 RW Drunen

Dit certificaat bevestigt dat alle voorschriften betreffende de beoordeling en verificatie van de prestatiebestendigheid en de prestaties zoals beschreven in Bijlage ZA van de normen

EN 40-6:2002

volgens het systeem **1** voor de prestaties beschreven in dit certificaat worden toegepast en dat de productiecontrole in de fabriek toegepast door de fabrikant wordt beoordeeld om

de prestatiebestendigheid van het bouwproduct te waarborgen.

Dit certificaat werd voor het eerst afgeleverd op (20)181229 en blijft geldig zolang noch de geharmoniseerde norm, noch het bouwproduct, noch het systeem voor de beoordeling en verificatie van de prestatiebestendigheid, noch de vervaardigingsvoorwaarden op significante wijze gewijzigd worden, behalve intrekking of opschorting door de aangemelde productcertificatie instantie.

Brussel, 20201005

Jacques DEFOURNY, Voorzitter van de raad van bestuur

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





Rue Ravensteinstraat 4 B-1000 BRUSSELS

Certificate of constancy of performance

1148-CPR-(20)181229

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:

Lighting columns (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, 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 40-6:2002

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)181229 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, 20201005

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 Aluminium Lighting Columns according to EN 40-6:2002

Product family 0:

- Columns with nominal height of 2 m to 18 m (columns with brackets) or to 20 m (post top columns), diameter 114 mm to 250 mm, nominal wall thickness 2.5 mm to 5.25 mm
- Trade name: MSI Neo Classic with nominal height of 2 m to 18 m (columns with brackets) or to 20 m (post top columns), diameter 170 to 264 mm, nominal wall thickness: profiled
- Passive safety according to EN 12767:2019, Performance class:
 - o Class 0

Product family 1:

- Columns with nominal height of 2 m to 15 m, diameter 114 mm to 250 mm, nominal wall thickness 2.5 mm to 4.0 mm; with internal shear-off mechanism, founded in any soil, special backfill type X but in combination with a two-piece precast concrete block on ground level ("TOAD"), or rigid, backfill type R,
- Passive safety according to EN 12767:2019, Performance classes:
 - o 50-NE-B-X-SE-MD-0
 - o 70-NE-B-X-SE-MD-0
 - o 100-NE-B-X-SE-MD-0
 - o 50-NE-B-R-SE-MD-0
 - o 70-NE-B-R-SE-MD-0
 - o 100-NE-B-R-SE-MD-0

Product family 2:

- Columns with nominal height of 2 m to 10 m, diameter 114 mm to 165 mm, nominal wall thickness 2.5 mm to 3.3 mm, founded in standard soil, backfill type S or rigid, backfill type R,
- Passive safety according to EN 12767:2019, Performance classes:
 - o 70-NE-C-S-SE-MD-0
 - o 100-NE-C-S-SE-MD-0
 - o 70-NE-C-R-SE-MD-0
 - o 100-NE-C-R-SE-MD-0

Product family 3:

- Columns with nominal height of 2 m to 8 m, diameter 114 mm to 226 mm, nominal wall thickness 2.5 mm to 3.3 mm, founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-NE-C-S-SE-MD-0

Product family 4:

- Columns with nominal height of 2 m to 12 m, diameter 114 mm to 226 mm, nominal wall thickness 2.5 mm to 3.3 mm, founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-NE-D-S-SE-MD-0

Product family 5:

- Columns with nominal height of 8 m to 12 m, diameter 200 mm, nominal wall thickness 3.3 mm, founded in standard soil, backfill type S
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-LE-C-S-SE-MD-0

Product family 6:

- Column with nominal height of 10 m, diameter 226 mm, nominal wall thickness 3.3 mm, founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-LE-D-S-SE-MD-0

Product family 7:

- Column with nominal height of 12 m, diameter 200 mm, nominal wall thickness 4.0 mm, founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-LE-E-S-SE-MD-0

Product family 8-1:

- Columns with nominal height of 8 m, with root section of 2 m and bottom plate, diameter 200 mm, nominal wall thickness 3.3 mm; with a 10 m long, graphite covered and isolated stainless steel cable inside, d = 16 mm; founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 50-HE-C-S-NS-MD-0
 - o 70-HE-C-S-NS-MD-0
 - o 100-HE-C-S-NS-MD-0

Product family 8-2:

- Columns with nominal height from 8 m to 12 m, with root section of 2 m and bottom plate, diameter from 200 mm to 226 mm, nominal wall thickness 3.3 mm; with a 10 m long, graphite covered and isolated stainless steel cable inside, d = 16 mm; founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 50-HE-D-S-NS-MD-0
 - o 70-HE-D-S-NS-MD-0
 - o 100-HE-D-S-NS-MD-0

Product family 9:

- Column with nominal height of 15 m, diameter 226 mm, nominal wall thickness 3.3, founded in standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 100-HE-D-S-SE-MD-0

Product family 10:

- Trade Name: MSI Neo Classic, Columns with nominal height of 2 m to 12 m, diameter 170 mm to 200 mm, nominal wall thickness: profiled, founded: rigid, backfill type R,
- Passive safety according to EN 12767:2019, Performance class:
 - o 50-NE-C-R-SE-MD-0
 - o 70-NE-C-R-SE-MD-0
 - o 100-NE-C-R-SE-MD-0

Further characteristics and performances

- ✓ Material: aluminium alloy EN AW-6060 T66 according EN 755-2
- ✓ Cross sections: cylindrical circular, cylindrical circular stepped or conical circular unless specifically mentioned otherwise
- ✓ Post top columns or columns with single bracket or with double bracket
- ✓ with or without two-piece ground level protector
- ✓ General requirements and dimensions according to EN 40-2
- ✓ At least one door opening provided with reinforcement according to EN 40-6:2002
- ✓ Part below ground with cable entry slot or flange plate with cable entry opening
- ✓ Structural analysis according to EN 40-3-1 and EN 40-3-3 or tested according to EN 40-3-2
- ✓ Passive safety in accordance with EN 12767 tested by accredited laboratory

IMPORTANT STATEMENT over EN 12767

These lighting columns were evaluated according to previous versions of the standard and are requalified according to the prescriptions of Annex L of EN 12767:2019 completed by the methodology described in ⁽¹⁾. The performance regarding roof indentation is as such as reported from the results of the tests performed in accordance to EN 12767, **taking into that the uncertainty admitted by this standard on roof deformation can in no way guarantee the same performance in actual crash situations.**

Therefore and quite obviously, neither OCAB-OCBS nor the manufacturer can assume that in real conditions, the same performance as such recorded in the tests can be reproduced in all cases.

¹ <https://www.ocab-ocbs.com/NMRQEN127672019.pdf>

