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Certificate holder

Hydro Extrusion Netherlands B.V.
Alcoalaan, 1
NL-5151 RW DRUNEN
NETHERLANDS

Manufacturing plant

Hydro Extrusion Netherlands B.V.
Alcoalaan, 1
NL-5151 RW DRUNEN
NETHERLANDS

Certificate of constancy of performance no. 0965-CPR-40/2915/981

In compliance with Regulation (EU) No. 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

Lighting columns for public lighting

placed on the market under the name or trade mark of the certificate holder and manufactured in the manufacturing plant mentioned on this certificate.

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

EN 40-6:2002

under system 1 for the performance set out in this certificate are applied and that the factory production control (FPC) conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product.

The first version of this certificate was issued by PROCERTUS or her legal predecessor on 29.12.2018. This certificate remains valid as long as neither the harmonised standard, the construction product, the methods for Assessment and Verification of Constancy of Performance (AVCP) nor the manufacturing conditions in the plant, are modified significantly, unless the certificate is suspended or withdrawn by PROCERTUS.

The validity of this certificate can be verified on <https://extranet-steel.procertus.be> or by scanning the QR code on this certificate.

Ir. C. Ladang
General Manager

Annex to the certificate of consistency of performance nr. 0965-CPR-40/2915/981 delivered on 19.02.2025.

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This certificate has been drawn up for products whose performance has been assessed and whose consistency of performance has been confirmed, and which are described in this annex by means of identification data and when applicable an indication of the levels and classes in which their performance may be found.

The performance of the individual product is declared by the manufacturer by means of a declaration of performance which he draws up and makes available under his own responsibility.

Product description

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

Product family 11:

- 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 standard soil, backfill type S,
- Passive safety according to EN 12767:2019, Performance class:
 - o 50-NE-B-S-SE-MD-0
 - o 70-NE-B-S-SE-MD-0
 - o 100-NE-B-S-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