



SWEDISH TYPE APPROVAL 0797 WITH DECISION ON PRODUCTION CONTROL

Holder: Roth North Europe A/S

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Roth Alu-LaserPlus® pipe-system

Product description

Pipe system of composite pipes with connectors and couplings.

Intended use

Pipe systems for hot and cold tap water, cooling systems and heating water in buildings.

The system can be used for distribution of hot and cold tap water, and heating in buildings where the maximum operating pressure does not exceed 1.0 MPa and where the water temperature momentarily does not exceed 95 ° C or continuously does not exceed 70 ° C

Scope

The pipes consist of five layers, one inner of PE-RT, one of aluminum and an outer layer of PE-RT with intermediate adhesive layers. The tube's oxygen diffusion barrier consists of the aluminum tube. Splice with leakage indicator (PressCheck® coupling) is available in both dezincification-hardened brass and PPSU, CC768S, CW724R. Joining is done with special tools. The pipe system is available in the following dimensions (external diam. X wall thickness. In mm):

Ø 16 x 2.0, 20 x 2.0, 26 x 3.0, 32 x 3.0, 40 x 3.5, 50 x 4.0 and 63 x 4.5 in varying lengths

Approval

The products meet the requirements of Chapter 8, Section 4, of the "Planning and Building Act" (PBA) regarding the technical characteristics of construction works, 3. Protection with regards to hygiene, health and environment, depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of "Boverkets Building Regulations" (BBR):

Construction products with assessed properties	1:4
Installations for tap water, 2 nd section & general advice	6:62*
Design, 1 st and 4 th section	6:625

*Fulfils requirements in BFS 2014:3

-The approval is based on the fact that the inner tube is made of: PE-RT Dowlex 2388

-The approval only applies to couplings that have been spliced with press tools and press jaws according to the specification under points 1 and 2 above.


-The tool must be maintained and calibrated according to the supplier's instructions so that min. compressive force according to the specification for each dimension is ensured.

Roth Alu-LaserPlus® pipe system is approved with the "Presscheck coupling" with leakage indication.

Marking

Marking must be affixed on the product or, if there are special reasons, on the packaging or the delivery note. Marking shall indicate the following information:

Holder:
 Product name, and relevant article number:
 Production site:
 Traceability to the production:
 Information about requirements or class, if relevant:
 The registered trademark of Boverket No 241 217:
 Certification Body:
 Accreditation number:
 Type Approval No:
 Inspection Body:

Roth North Europe A/S
 Roth Alu-LaserPlus® pipe-system
 ID 9010100, 8032080, 7048128
 (e.g. yyyy-mm-dd or batchnumber)
 See page 2; Comments

 Kiwa Certification AB
 1913
 0797
 DTI DK



CERTIFIKAT

Kiwa Certification AB

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Accred. no. 1913
Certification of
Products
ISO/IEC 17065

Production site(s):

ID 9010100, 8032080, 7048128

Control

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body. Inspection Body: **DTI DK** Inspection agreement: **Agreement No. 107**
Factory production control shall be carried out in accordance with the current instructions for control.

During inspection at the construction site, the building proprietor must verify the identity of the product by means of the marking. Furthermore, the building proprietor must ensure that the correct products are delivered and that they are installed in accordance with the manufacturer's instructions in the accompanying documents. It must also be verified that the product is accompanied by a manufacturer's declaration that certifies that production has been carried out in accordance with the documents that formed the basis for this type approval.

The validity of the Swedish Type Approval also implies that the factory production control is carried out according to the current agreement and that the holder annually fulfils the requirement in "Boverket's regulations and general recommendations for type approval", BFS 2013:6, § 5 (TYP 7), on continuing internal control. The holder shall annually, at the latest on the 15th of December, report to Kiwa Certification AB at the e-mail address se.annualreporting@kiwa.com about continuing surveillance.

Associated documents

Roth Alu-LaserPlus® pipe-system, Planning and- och installationinstructions 2020-04-21

Roth Alu-LaserPlus® pipe-system, Systemoverview, 2019-10-01 (Excel).

The assessment basis for the approval

-DVGW Type Examination Certificate DW-8501BR0037 valid until 20.02.2026 (Incl. DCGW W 534, UBA Metalle, BGA KTW, DCGW W 270 – Done at MPM, IMA, WHY)

-DTI Audit test report 2021 No. 100431 AluLaserPlus (PE-RT/AI/PE-R) dim 16-63 mm (EN 21003-3,5,8) --

-Report DTI 2017 No. 715508-1 (Press-Check fittings KU-fittings)

-Report DTI 2016 No. 751682-2 (NKB3, NKB18, EN 15875-2, EN 21003-2, VAPG 21003-2)



-Report DTI 2017 No. 751682-1 (Fittings 16-63 mm) (EN 21003-2, 7, VAPG 21003-29) -

Annual control by DTI DK report no. 976335A 2021

Comments

The Type approval is valid provided that the product shall neither be CE marked according to the Construction Product Regulation (EU) No 305/2011 (CPR), nor has it been suspended or withdrawn by Kiwa Certification AB.



Pipes shall be marked with following information:

1. Holder: Roth North Europe A/S
2. Product name: Roth Alu-LaserPlus®
3. Traceability: Manufacturing year month or other traceability to manufacture.
4. Dimension
5. Kiwa Certification  Type Approval no: 0797 and Boverket's logo: 
6. Accreditation number: 1913
7. Inspection Body: DTI (Dansk Teknologisk Institut)

Protective pipes shall be marked with following information:

1. Holder and produkt name: Roth North Europe A/S
2. Traceability: Manufacturing year or other traceability to manufacture.
3. Dimension

Packages for protective pipes and associated documents shall be marked with following information:

1. Holder: Roth North Europe A/S
2. Product name: Roth Alu-LaserPlus®
3. Traceability: Manufacturing year month or other traceability to manufacture.
4. Dimension
5. Kiwa Certification  Type Approval no: 0797 and Boverket's logo: 
6. Accreditation number: 1913
7. Inspection Body: DTI (Dansk Teknologisk Institut)

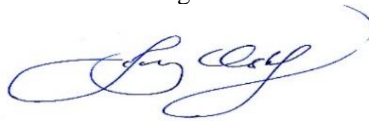
The associated documents shall be foreseen with: Statement of Manufacture acc.17 § in Typ 7.

Date of decision: 15th April 2022

Registration number: 0131-2022

Valid until: 14th April 2027

Previous registration number: 0604-2021


Magnus Jerlmark

Johnny Ostenfeldt