



SWEDISH TYPE APPROVAL 0550 WITH DECISION ON PRODUCTION CONTROL

Holder: Fränkische Rohrwerke Gebr. Kirchner GmbH & Co. KG

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MLP System for tap water

Product description

Piping system consists of:

- Composite pipes of PE-Xb/AL/PE-RT II (ALPEX DUO XS / ALPEX L), dim. 16-63 mm and PE-RT II/AL/PE-RT II (TURATEC), dim. 16-32 mm. The pipes consist of 3 layers; an inner of PE-Xb / PE-RT, a middle of Aluminium and an outer layer of PE-RT. The pipe's oxygen diffusion barrier consists of a aluminium pipe.
- Press fittings (ALPEX F50 and ALPEX L) with body housing made of PPSU plastic or dezincification-resistant brass CW724R, sealing rings made of EPDM and support bushing made of stainless steel. Fittings have leakage indication for unpressed joints.

Intended use

Piping system for distribution of hot and cold tap water or heat within a property 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

System Alpex duo XS/Alpex L – dim. 16x2.0, 20x2.0, 26x3.0, 32x3.0, 40x3.5, 50x4.0, 63x4.5 mm.

System Turatec – dim. 16x2.0, 20x2.0, 26x3.0, 32x3.0 mm.

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 regard to hygiene, health and the environment, depending on, that what is stated in this approval is followed. The products are approved according to the following section(s) of “Boverket's Building Regulations” (BBR):

Construction products with assessed properties	1:4
Installations for tap water	6:62, first sentence and par. 2 and general advice
Design	6:625, paragraph 1 and 4.

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:

FRÄNKISCHE

Alpex duo XS/Alpex L alt. Turatec

Applicable manufacturer or ID code

(e.g. yyyy-mm-dd or batch number)

10 bar / Outer diam. x Wall thickness



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1913

0550

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Production site:

1. Fränkische Rohrwerke Gebr. Kirchner GmbH & Co. KG, Königsberg/Bayern, Germany (MLP System).
2. Gebr. Bruse KG, Attendorn, Germany (Fittings only).

Control

The manufacturers' continuing internal control is combined with surveillance inspections conducted by an accredited Inspection Body.

Inspection Body: **DTI**

Inspection agreement: **36 of 27 July 2004**

Factory production control shall be carried out in accordance with DVGW W 534:2004.

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 control guidelines 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 at the e-mail address se.annualreporting@kiwa.com about continuing surveillance.

Associated documents

Mounting instructions Alpex/Turatec, version 03/2021.

The assessment basis for the approval

Test report No. V132/19.1, V132/19.2, V145/20.1, V145/20.2, V301/20.2, V301/20.4, V504/18.2 and V486/17.2 by IMA Dresden, Germany.

AT-report No. 925878 and 925879 by DTI, Danish Technology Institute.

Assessment report No. 0358/2021, dated 01 October 1, 2021 by Kiwa Certification, Sweden.

Comments

- The pipe system meets requirements according to EN ISO 21003-5.
- When joining fittings and pipes, it is assumed that press tools approved by the manufacturer are used.

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 Sverige AB.

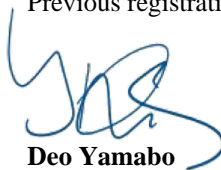
Date of decision: 04 October 2021

Registration number: 0358/2021

Valid until: 03 October 2026

Previous registration number: 0150/2017


Bengt-Olov Andin


Deo Yamabo