



CERTIFIKAT

SWEDISH TYPE APPROVAL 0351 WITH DECISION ON PRODUCTION CONTROL

Holder: Uponor GmbH

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Uponor Multilayer Piping System (MLC)

Product description

Piping system of composite pipes, fittings and required accessories. Joining of pipes and fittings is done with special tool provided by Uponor.

Press fittings are tested and meet the requirements for leak detection.

The composite pipe consists of an inner and an outer PE-RT pipe and in between an aluminium pipe which constitutes a diffusion barrier (PE-RT type II/Al/PE-RT type II).

Fittings are made of dezincification resistant brass or PPSU;

- Uponor RS Brass fittings for Ø 63, 75, 90, 110 mm
- Uponor S Brass fitting metal for Ø 40, 50, 63, 75 mm
- Uponor S Press fitting composite PPSU for 40, 50, 63, 75 mm

Intended use

Piping system for hot and cold tap water alt. heating water within buildings. The approval is valid for the water temperature momentarily not exceeding 95°C or continuously not exceeding 70°C, at maximum operating pressure 1.0 MPa.

Scope

Uponor Multilayer Piping System (MLC)

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 regarding 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 "Boverket's Building Regulations" (BBR):

Construction products with assessed properties	1:4
Tap water installations	6:62, first sentence and paragraph 2
Design	6:625, paragraph 1 and 4, incl.the general advice

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:

Uponor GmbH

Product name (article number)

According to instructions for control

(e.g. yyyy-mm-dd or batchnumber)

Pressure classification and temperature



Kiwa Certification AB

1913

0351

SKZ, Würzburg



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Production site(s):

According to instructions for control

Control

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

Inspection Body: **SKZ, Würzburg** Inspection agreement: **Agreement between Uponor and SKZ, dated 2018-05-22**

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

- Bygg på Uponor S-Press PLUS 1140126 v1_11_2023_SE
- Uponor VVS Sortiment 2024
- Uponor_TI_MCL_tap_water_and_heating_systems_SE_1140126v1_202311
- Uponor Uni Pipe PLUS 16–32 mm/ Uponor MLC 14 mm und 40–110 mm - 1062301_06/2020 KAL
- Mounting instructions Uponor Metallic Pipe PLUS 16 – 20 mm - 1068145 – 03/2014 KAL
- Uponor S-Press PLUS - 03/ 2021
- Uponor Uni Pipe PLUS - 9008/04/2016

The assessment basis for the approval

Test report No. SBF2016F0144 and SBF2015F0478, issued by SINTEF

Test report No. 90549/10, 99239/11, 207559/19-II, 211257/20-I and 211258/20-I, issued by SKZ

Test report No. LC 16026, LC 16028, LC 16029 and LC 16030, issued by KIWA Nederland BV

Inspection report SKZ RA6675.23140.23, RA6677.231540.23, RA7167.231526.23

Assessment report no. 0318/22 b& 0587/23 by Kiwa Sverige AB.

Comments

Uponor Multilayer Piping System (MLC) is tested according to EN ISO 21003 and NKB par. 3.3.2

The press tool for the press fittings shall be maintained and calibrated in accordance with manufacturer's instructions to ensure minimum pressing force as specified for each dimension. The approval does not include threaded connections.

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.

Date of decision: 2024-02-28

Registration number: 0587-2023

Valid until: 2029-02-27

Previous registration number: 0318-2022



Magnus Jerlmark



Johnny Ostenfeldt