



KOMO®
Product certificate
K43191/04



Issued	2021-05-01	Replaces	K43191/03
Valid until	Indefinite	Dated	2017-04-01
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PE-X Pipes
UPONOR GmbH

STATEMENT BY KIWA

This product certificate is based on Guideline 5609 part 2 "Pre-insulated flexible plastics piping systems for warm water distribution outside buildings" dated 27 August 2019, issued according to the Kiwa-Regulation for Certification.

The quality system and the product characteristics of this product are checked periodically. Based on this, **Kiwa declares that** there is legitimate confidence that:

Upon delivery, the product supplied by the certificate holder meets the requirements:

- Of the technical specifications laid down in this product certificate,
- The product requirements laid down both in this product certificate and in the Guideline/BRL.

Provided the PE-X pipes are accompanied by the KOMO® quality mark in the manner set out in this product certificate.

Ron Scheepers
Kiwa

This product certificate is only valid in combination with a KOMO certified plastics piping system.

This product certificate is also included on the KOMO foundation websites: www.komo.nl and www.komo-online.nl.

Users of this product certificate is advised to check whether it is still valid. For this purpose consult the website of Kiwa: www.kiwa.nl.

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Assessed is:
• Quality system
• Product
Periodic control

PE-X Pipes

TECHNICAL SPECIFICATION

Subject

PE-X Pipes

Product characteristics

The product complies to BRL 5609 Pre-insulated flexible plastics piping systems for warm water distribution outside buildings - Part 2: Products.

Specification

The dimensions of the 3-layer pipe in the table below are part of this certificate.

Nominal outside diameter (mm)	Wall thickness (mm)
50	4,6
63	5,8
75	6,8
90	8,2
110	10,0
125	11,4

Colour: white inside / white outside

Marking

The products shall be marked with the KOMO® mark.

Pipes

The minimum required marking on the pipes shall be:

- KOMO (or KOMO® word mark) + class DH1/ 6 bar;
- material identification: PE-Xa;
- the build up of the pipe; PE-X,/EVOH
- certificate number of accompanying technical approval-with-product certificate of the piping system;
- the manufacturer's name, trade name, system name or logo;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

The realization of the marks is as follows: clear, durable and indelible at intervals of not more than 2 meters.

Logistics

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The products are intended to be used for piping systems for warm water distribution outside buildings with a lifetime of 30 years at an operating temperature profile according to class DH1 of BRL 5609-2 and an allowable working pressure of maximum 6 bar.

7 TIPS FOR THE USER

Check on delivery of the products listed under the "technical specification" whether:

- The product(s) and material(s) ordered are delivered in accordance with the agreement you made.
- The brand and the method of marking is correct
- No defects or damage is visible (for example, resulting from the transportation).

If on the basis of the foregoing you decide to proceed to rejection, please contact

- UPONOR GmbH

And if necessary,

- Kiwa Nederland B.V.

Carry out the storage, transport and processing in accordance with the provisions included in this product certificate and/or documents of the certificate holder.

