

Product certificate K42738/09



Issued 2021-08-15

Replaces K42738/08

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Smartpipe

STATEMENT BY KIWA

With this product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

WRW-Westfälische Rohrwerke GmbH

as specified in this product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL-K536 G “Plastics piping systems of PE-X /Al intended for transport of hot and cold drinking water” dated 15-12-2011 inclusive amendment sheet dated 13-03-2018.”

Ron Scheepers
Kiwa

*This product certificate is only valid in combination with a Kiwa certified plastics piping system.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.*

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Certification process
consists of initial and
regular assessment of:

- quality system
- product

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PRODUCT SPECIFICATION

The products mentioned below belong to this technical approval-with-product certificate

PE-RT/Al multi-layer pipes according to BRL-K 536 part G: Plastics piping systems of PE-RT/Al intended for the transport of cold and heated drinking water, and also:

75x7.5 mm pipe according BRL K536 K multilayer piping systems PE-X/AL, PE-RT/Al, PP-R/AL and PP-RCT/Al intended for transport of hot and cold drinking water inside buildings en de "Product Evaluation Guideline W001 Multilayer Piping Systems 2018-02-08"(PEG)

The pipe dimensions as indicated in the table below belong to this certificate.

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness aluminium layer (mm)
16	2,0	0,20
20	2,0	0,24
20	2,25	0,24
25	2,5	0,30
26	3,0	0,30
32	3,0	0,35
40	4,0	0,50
50	4,5	0,50
63	6,0	0,50
75 ¹⁾	7,5	0,50

¹⁾ Also for BRL K536 K

Colour of the pipes: inside natural / outside white or red.

Fitness for contact with drinking water

This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette).

These hygienic aspects are based on two main criteria. The product shall permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is not to be changed without prior approval by Kiwa according to the Kiwa approval procedure for the hygienic aspects;
- Specific product requirements for the hygienic aspects.



The recipe and specific product requirements are laid down in the for confidentiality reasons undisclosed 'appendix hygienic aspects' to this certificate.

MARKING

The products shall be marked with the Kiwa-mark.

Pipes

The minimum required marking on the pipes shall be:

- **KIWA**  or * + 2 / 10 bar;
- material identification: PE-RT type 2;
- the buildup of the pipe: PE-RT/Al/PE-RT;
- 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.

*) for smaller diameters permitted by Kiwa

Logistics

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

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APPLICATION AND USE

The products are designed for drinking water installations with a lifetime of 50 years at an operating temperature profile according to class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar..

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- WRW-Westfälische Rohrwerke GmbH
- and, if necessary,
- Kiwa Nederland B.V.

Consult the supplier's processing guidelines for the proper storage and transport methods.