

**Product certificate**  
**K42738/06**

Issued 2016-06-15  
Replaces K42738/05  
Page 1 of 3

**Smartpipe**

**STATEMENT BY KIWA**

With this product certificate, issued in accordance with the Kiwa Regulations for Product 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-RT/Al intended for transport of hot and cold drinking water" dated 15-11-2011, inclusive amendment sheet dated 10-03-2015.



Luc Leroy  
Kiwa

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

Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.

**Kiwa Nederland B.V.**

Sir Winston Churchillaan 273  
Postbus 70  
2280 AB RIJSWIJK  
The Netherlands

Tel. +31 88 998 44 00  
Fax +31 88 998 44 20  
[info@kiwa.nl](mailto:info@kiwa.nl)  
[www.kiwa.nl](http://www.kiwa.nl)



2871/60324

**Supplier**

WRW-Westfälische Rohrwerke GmbH  
Kruppstrasse 29  
59227 AHLEN  
Germany  
T +49(0)2382 76008 0  
F +49(0)2382 76008 29  
I [www.wrw-ahlen.de](http://www.wrw-ahlen.de)

**Certification process consists of initial and regular assessment of:**

- quality system
- product

### Smartpipe

---

#### PRODUCT SPECIFICATION

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.

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	7,5	0,50

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"; 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 are marked with the Kiwa-mark.

#### Pipes

The minimum required marking on the pipes shall be:

- **KIWA**  or  \* + Class 2 / 10 bar;
- the manufacturer's name, trade name, system name, logo or certificate number of accompanying technical approval (system)certificate;
- material identification: PE-RT type 2;
- the build up of the pipe: PE-RT/Al/PE-RT;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

Location of the marks: on every pipe at intervals of not more than 2 m.  
The realization of the marks is as follows: clear durable and indelible.

\*) for smaller diameters permitted by Kiwa.

#### LOGISTICS

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

#### APPLICATION AND USE

The piping system is intended to be used for the transport of cold and hot drinking water according to a temperature profile class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

## Smartpipe

---

### **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.