



Technical approval-with-product certificate **K92409/04**

Issued 2019-08-15

Replaces K92409/03

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Multitubo System 1

STATEMENT BY KIWA

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

DW Verbundrohr GmbH

as specified in this technical approval-with-product certificate and marked with the Kiwa®-mark in the manner as indicated in this technical approval-with-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 15-12-2011 inclusive amendment sheet dated 13-03-2018.

Within the framework of this technical approval-with-product certificate Kiwa does not impose any inspections with regard to the production of other parts of the plastics piping system, nor the manufacturing of the plastics piping system itself.

Ronald Karel
Kiwa

Publication of this certificate is allowed.

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

Multitubo System 1

PRODUCT SPECIFICATION

Plastics piping systems of PE-RT/Al intended for the transport of cold and heated drinking water according to BRL-K536 part G.

The system consists of:

- PE-RT/Al Pipes;
- Metal (Brass) press fittings (Tin-plated and non-plated).
- PPSU push fittings (16, 20 and 25 mm) and PPSU press fittings (16, 20, 25, 26 and 32mm).

Specification

The dimensions of the pipe in combination with the PPSU push and brass fittings according to the table below are part of this certificate.

Nominal outside Diameter (mm)	Wall thickness (mm)	Wall thickness Aluminium (mm)
16	2,0	0,20
20	2,25	0,24
25	2,5	0,30
32	3,0	0,35
40	4,0	0,5
50	4,5	0,5
63	6,0	0,5
75	7,5	0,5

Colour:

- PE-RT/Al pipes: transparent inside / white or red outside;
- Metal press fittings 16 – 75mm: grey;
- Metal push fittings 16-20-25-32 mm: grey;
- PPSU push fittings 16-20-25 mm: beige.

The connection of the brass fittings are made with a special compression tool (press contour U).

The dimensions of the pipe in combination with the PPSU press fittings according to the table below are part of this certificate.

Nominal outside Diameter (mm)	Wall thickness (mm)	Wall thickness Aluminium (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

Colour:

- PE-RT/Al pipes: natural inside / white or red outside;
- PPSU press fittings: natural.

Remarks:

- Two PPSU press fitting types are applicable, MM and MC;
- The jointing of the PPSU press fittings is made by special crimping tools, with press contour:
 - MM fitting: "TH, H and U";
 - MC fitting: "U".

Fitness for contact with drinking water

The pipes and fittings used in this system are approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" dated 01-07-2017 ("Materials and chemicals in the supply of drinking water and warm tap water Regulation"; published in the Government Gazette). The criteria for these hygienic aspects are recorded in the respective product certificates.