



Product certificate K87668/04

Issued 2021-08-01

Replaces K87668/03

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Blue Ocean PP-R Polymer Fittings

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

Blue Ocean International Holdings Ltd.

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 B "Plastics piping systems of PP-R intended for transport of hot and cold drinking water" dated 15-12-2011 inclusive amendment sheet dated 10-03-2015.

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.*

CERTIFICATE

287/1807/11

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Certification process
consists of initial and
regular assessment of:

- quality system
- product



Blue Ocean PP-R Polymer Fittings

PRODUCT SPECIFICATION

Plastics fusion fittings of PP-R as well as transition fittings of PP-R with threaded connections of brass according to BRL-K 536 part B: Plastics piping systems of PP-R intended for the transport of cold and heated drinking water.

The following types of plastics fittings of PP-R are suitable for the pipe dimensions 20 mm till 63 mm: equal tees, reducing tees, side reducing tees, elbow tees, reducing elbow tees, crosses, reducing crosses, 90° elbows, 90° elbows internal/external, 90° reducing elbow, 45° elbow, 45° elbows internal/external, couplers and reducing couplers, caps.

The PP-R / brass transition fittings are suitable for the pipe dimensions as indicated in the table below.

PP-R Pipes		PP-R Fusion Fittings with threaded connections											
Nominal outside diameter (mm)	Wall thickness (mm)	Adaptors		Tee		90° Elbow		Back Plate 90° Elbow		Wing back 90° Elbow		90° Elbow Wall mount	
		FT	MT	FT	MT	FT	MT	FT	MT	FT	MT	FT	MT
20	3,4	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	
		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
25	4,2	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"				
		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"				
32	5,4	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"						
		3/4"	3/4"	3/4"	3/4"	3/4"	3/4"						
		1"	1"	1"	1"	1"	1"						
40	6,7	1"	1"	1"	1"	1"	1"						
		1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"						
50	8,3	1 1/4"	1 1/4"										
		1 1/2"	1 1/2"										
63	10,5	1 1/2"	1 1/2"										
		2"	2"										

Colour: white

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 are marked with the Kiwa-mark.

Fittings

The minimum required marking on the fittings shall be:

- **KIWA**  or on small products  or  or  or **KK*** (if not possible **KIWA**  only on the smallest packaging unit)**;
- manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe in mm;
- production code.

Location of the marks: on every fitting.

The realization of the marks is as follows: clear, durable and indelible.

Blue Ocean PP-R Polymer Fittings

The smallest packaging unit of the fittings are provided with at least the following information:

- **KIWA** ;
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm;
- material identification in case the fitting body is made of plastics.

Location of the marks: on every package.

The realization of the marks is as follows: clear, durable and indelible.

*) for small fittings marking with only KK is permitted

**) only after approval 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 8 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:

- Blue Ocean International Holdings Ltd.
- and, if necessary,
- Kiwa Nederland B.V.

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