

Technical-approval-with-product certificate **K57642/05**

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Replaces K57642/04

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PEOC Plus System

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

hpg plastics 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 H "Plastics piping systems of PE-RT type II intended for the transport of cold and heated 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.

Ron Scheepers
Kiwa

Publication of this certificate is allowed.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

CERTIFICATE

28317015

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
NL.Kiwa.info@Kiwa.com
www.kiwa.nl

Company

hpg plastics gmbh
Anna-Schlinkheider-Str. 3
40878 RATINGEN
Germany
Tel. 02102 / 7007 800
info@hpg-plastics.com
www.hpg-plastics.com



PEOC Plus System

PRODUCT SPECIFICATION

Plastics piping systems of PE-RT type 2 intended for the transport of cold and heated drinking water according to BRL-K536, part H.

The system consists of:

- PE-RT type 2 pipes, manufactured by hpg plastics gmbh (certificate K57643);
- Metal clamp and press fittings manufactured by IPA Produktions-& Vertriebsges.m.b.H (certificate K11610);
- Corrugated protection pipes manufactured by Maincor Rohrsysteme GmbH & Co. KG (certificate K5123);
- Corrugated protection pipes manufactured by Hegler Plastik GmbH (certificate K12830).

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

Nominal Outside diameter (mm)	Wall thickness (mm)	
	1 layer pipe or 2 layer coextruded pipe	5 layer pipe PE-RT / adhesive / EVOH / adhesive / PE-RT
10	1.3 or 1.6	1.6
12	1.6 or 2.0	2.0
14	2.0	2.0
15	2.0 or 2.5	2.5
16	2.1 or 2.2	2.2
18	2.5	2.5
20	2.8	2.8
22	3.0	3.0
25	3.5	3.5
26	3.5	3.5
28	4.0	4.0
32	4.4	4.4

Colour: 1 layer pipe: natural or black

2 layer pipe: inside natural/ outside black or white

5 layer pipe: color inside/outside natural, black or white

Metal fittings: brass

Press profile press fittings: TH

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.

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 buildup of the pipe: PE-RT, PE-RT/PE-RT or PE-RT/EVOH/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.

PEOC Plus System

Fittings


The minimum required marking on the fittings shall be:

- **KIWA**  or on small products  or  or **KK*** or **KK*** (if not possible **KIWA**  only on the smallest packaging unit)**;
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- 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.

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

Corrugated protection pipes

The minimum required marking on the corrugated protection pipes shall be:

- Kiwa (or Kiwa® word mark);
- the manufacturer's name, trade name, certificate number of the protection pipe or the certificate number of the belonging technical approval (system) certificate.

The realization of the marks is as follows: clearly and indelible at intervals of not more than 2,5 m.

LOGISTICS

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

APPLICATION AND USE

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

The corrugated protection pipes are used to avoid growth of algae in the drinking water by sunlight

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:

- hpg plastics gmbh
- and, if necessary,
- Kiwa Nederland B.V.

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