



Product certificate K5017-7

Issued 2024-12-01

Replaces K5017-6

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Drinking water system of PE

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

Dyka B.V.

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-K17105 "plastics piping systems of PE (Polyethylene) for the transport of cold drinking water and raw water" dated 03-10-2017 inclusive amendment sheet dated 21-04-2023.

CERTIFICATE

28/11/2021

Publication of this certificate is allowed.

Advice: consult www.kiwa.com 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
NL.Kiwa.info@Kiwa.com
www.kiwa.com

Company
Dyka B.V.
Produktieweg 7
8331 LJ STEENWIJK
The Netherlands
Tel. + 31 (0) 521-534911
info@dyka.nl
www.dyka.nl



Certification process
consists of initial and
regular assessment of:

- quality system
- product

PRODUCT SPECIFICATION

The products in accordance with the evaluation guideline K17105 "Plastics piping systems of polyethylene for the transport of drinking water and raw water". The products in the following tables belongs to this certificate:

Legend: SE = Smooth End
R = Rubber seal

Table 1: PE pipes

Size group	PN Diameter	PE40		PE80			PE100		
		PN6	PN10	PN8	PN10	PN12,5	PN10	PN12,5	PN16
Size group 1	16	SE	-	-	-	-	-	-	-
	20	SE	SE	-	-	SE	-	-	SE
	25	SE	-	SE	SE	SE	SE	SE	SE
	32	SE	-	SE	SE	SE	SE	SE	SE
	40	SE	-	SE	SE	SE	SE	SE	SE
	50	SE	-	SE	SE	SE	SE	SE	SE
Size group 2	63	SE	-	SE	SE	SE	SE	SE	SE
	75	-	-	SE	SE	SE	SE	SE	SE
	90	-	-	SE	SE	SE	SE	SE	SE
	110	-	-	SE	SE	SE	SE	SE	SE
	125	-	-	SE	SE	SE	SE	SE	SE
	140	-	-	SE	SE	SE	SE	SE	SE
	160	-	-	SE	SE	SE	SE	SE	SE
	180	-	-	SE	SE	SE	SE	SE	SE
Size group 3	200	-	-	SE	SE	SE	SE	SE	SE
	225	-	-	SE	SE	SE	SE	SE	SE
	250	-	-	SE	SE	SE	SE	SE	SE
	280	-	-	SE	SE	SE	SE	SE	SE
	315	-	-	SE	SE	SE	SE	SE	SE
	355	-	-	SE	SE	SE	SE	SE	SE
	400	-	-	SE	SE	SE	SE	SE	SE
	450	-	-	SE	SE	SE	SE	SE	SE
	500	-	-	SE	SE	SE	SE	SE	SE
560	-	-	SE	SE	SE	SE	SE	SE	
630	-	-	SE	SE	SE	SE	SE	SE	

Colour: Black with blue stripes

Table 2: PVC-U saddles for PE pipes

Nominal diameter (mm)	PN	Screw thread		
	10	Gk 1/2"	Gk 3/4"	Gk 1"
40 (= 63 with inlay)	R	R	R	
50	R	R	R	R
63	R	R	R	R
75	R	R	R	R
90	R	R	R	R
110	R	R	R	R
125	R	R	R	R
160	R	R	R	R
200	R	R	R	R
250	R	R	R	R
315	R	R	R	R

Colour: Dark grey

Table 3: PVC-U double sleeve for PE pipes

Nominal diameter (mm)	PN 10
50	R
63	R
75	R
90	R
110	R
125	R
160	R
200	R

Colour: Crème or dark grey

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: PIPES

The pipes are provided with at least the following markings:



- **KIWA**  of **KIWA** ;
- supplier's name, trade name;
- material identification: PE 40 or PE 80 or PE 100;
- SDR;
- nominal pressure: PN;
- nominal outside diameter and nominal wall thickness in mm;
- production code; including "year" and "week";
- BRL-K17105 or EN 12201-2.

Location of the markings: on each pipe at a spacing of less than 2 m.

The markings shall be clear, legible and indelible affixed on the pipe.

MARKING: PVC-U FITTINGS WITH ELASTOMERIC SEALING RINGS FOR PE DRINKING WATER PIPES

The fitting is provided with at least the following markings:


- **KIWA**  or on smaller products  or **KK**¹⁾ or **KK**¹⁾.
- supplier's name, trade name or logo;
- material identification PVC-U;
- nominal pressure PN;
- nominal size of the socket ends in mm;
- indication of the field of application;
- production period²⁾

The markings shall be clear, legible and indelible affixed on the fitting.

1) For small fittings marking with kk only is allowed.

2) May be displayed if desired in code.



The smallest packaging unit of the fittings shall be marked with at least the following information:

- **KIWA** ;
- supplier's name, trade name, system name, logo or certificate number of the corresponding product (system) certificate, in accordance with the marking on the connecting pipe;
- nominal outside diameter and nominal wall thickness in mm of the connecting pipe;
- material identification, if the fitting body is made of plastic;

The markings shall be clear, legible and indelible affixed on each package. May be displayed if desired in code.

MARKING: PVC-U SADDLES FOR PE DRINKING WATER PIPES

The saddles are provided with at least the following markings:

- **KIWA**  or on smaller products  or **KK**¹⁾ or **KK**¹⁾.
- supplier's name, trade name;
- material identification: PVC-U;
- PN class;
- nominal outside diameter of the connecting pipe in mm;
- production code²⁾;

The markings shall be clear, legible and indelible affixed on each saddle.

1 For small fittings marking with kk only is allowed.

2 May be displayed if desired in code.

APPLICATION AND USE

The products are intended to be applied in piping systems for the transport of drinking water and raw water till a temperature of 40°C.

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:

- Dyka B.V.

and, if necessary,

- Kiwa Nederland B.V.

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