

**Product certificate**  
**K65186/04**

Issued 2016-12-15  
Replaces K65186/03  
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## Wide range fittings of ductile cast iron

### 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

### **E. Hawle Armaturenwerke 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-K775** "Ductile cast iron joints for pipes of nodular cast iron, grey cast iron, steel, PVC U, PE or fibre cement",

which covers the requirements of

**EN 14525:** "Nodular cast iron fittings and transition pieces with flanges for use with pipes of different materials: ductile iron, gray iron, steel, PVC-U, PE and fibre cement".



Bouke Meekma  
Kiwa

Publication of the certificate is allowed.

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

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

- quality system
- product

## Wide range fittings of ductile cast iron

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### PRODUCT SPECIFICATION

The products mentioned below belong to this certificate.

#### 7974 (Synoflex Connector):

- Type 7974: PFA 16, DN 80-65 , 100-80; DN 150, DN200, DN 225, DN 250 and DN 300,
- Type 7974: PFA 10; DN 350 and DN 400.

#### 7994 (Synoflex Flange):

- Type 7994: PFA 16, DN 80-65, DN 80-100, DN100-80, 100-125,;
- Type 7994: PFA 10; DN 350 and DN 400.

#### 7975 (SYNO2000 Connector):

- Type 7975, PFA 16, DN 50/63, DN 80/90, DN 100/110, DN 100/125, DN 150/160, DN 150/180, DN 200/200, DN 200/225, DN 250/250, DN 250/280.

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#### APPLICATION AND USE

The products are intended to be applied in piping systems for the transport of drinking water with a nominal size of DN 40 up to and including DN 600 with a maximum water pressure 1 MPa and water temperature of 30°C.

#### TOXICOLOGICAL REQUIREMENTS

Approval:



This product is approved on the basis of the requirements set in the "Regeling materialen en chemicaliën leidingwatervoorziening" ("Regulation Materials and Chemicals for Drinking Water Supplies"); published in the "Staatscourant" (Government Gazette).

ATA criteria:

The ATA product certification is based on two main criteria. It should permanently comply with:

- The product recipe approved during the assessment procedure. This recipe is laid down in, for confidentiality reasons, the undisclosed appendix to the Kiwa certificate K65186. This recipe is not to be changed without prior approval by Kiwa, according to the Kiwa-ATA-approval procedure;
- Specific ATA-product requirements have been laid down in the appendix to the Kiwa certificate K65186. For confidentiality reasons, this appendix is not public.

#### MARKING

The Kiwa<sup>®</sup>-mark products are marked with the word mark "KIWA"  the abbreviated work mark .

Place of the mark:

- on the fitting.

Compulsory specifications:

- manufacturer's name or logo;
- the last two digits of the production year;
- material specification;
- external diameter (in mm) range of the piping with which the coupling can be used;
- nominal pressure.

Method of marking:

- non-erasable;
- visible after assembly.

#### 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:

- E. Hawle Armaturenwerke GmbH  
and, if necessary,  
• Kiwa Nederland B.V.

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