



## Technical-approval-with-product certificate K94485/06

Issued 2023-07-01

Replaces K94485/05

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### APE Multylayer Piping System APL

#### 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

### APE Raccorderie S.r.l.

as specified in this Technical-approval-with-product certificate 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 E "Plastics piping systems of PE-X/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 (product), nor the manufacturing of the (product) itself.

Ron Scheepers  
Kiwa

*Publication of this certificate is allowed.*

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

# CERTIFICATE

284190610

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product

**APE Multilayer Piping System APL**

**TECHNICAL SPECIFICATION**

**Subject**

APE Multilayer Piping System APL

**Product characteristics**

The product complies to BRL K536-E Plastics piping systems of PE-X/Al intended for transport of hot and cold drinking water.

The system consists of:

- PE-X/Al pipes manufactured by APE Raccorderie S.r.l. (certificate K66359);
- Metal fittings type APL Series manufactured by APE Raccorderie S.r.l. (certificate K25301).

**Specification**

The dimensions of the pipe in the table below are part of this certificate.

Nominal outside Diameter (mm)	Wall thickness (mm)	Wall thickness Aluminium (mm)	Press profile		
			TH	H	U
16	2,0	0,2	TH	H	U
20	2,0	0,2	TH	-	-
20	2,0	0,3	TH	H	U
26	3,0	0,4	TH	H	-
32	3,0	0,45	TH	H	-
40	3,5	0,50	TH		
50	4,0	0,60	TH		
63	4,5	0,90	TH		

Colour: outside: white  
inside: naturel

**Remarks:**

Metal press fittings with the following press clamps are being used:

**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 shall be marked with the Kiwa-mark.

**Pipes**

The minimum required marking on the pipes shall be:

- **KIWA**  or  \* + class 2 / 10 bar;
- material identification: PE-Xb;
- the build up of the pipe: PE-Xb/Al/PE-Xb;
- certificate number of accompanying technical approval-with-product certificate of the piping system;
- the manufacturer's name, trade name, system name or logo;
- nominal outside diameter in mm;
- nominal wall thickness of the pipe in mm;
- production code.

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





\*) for smaller diameters permitted after consultation by Kiwa.

## APE Multilayer Piping System APL

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### 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);
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe;
- production code.

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

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

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

The realization of the marks is as follows: clearly, durable and indelible on every packaging.

### 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.

### 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:

- APE Raccorderie S.r.l.;
- and, if necessary,
- Kiwa Nederland B.V.

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