

## Product certificate K23021/03

Issued 2017-03-01  
Replaces K23021/02  
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### Flexible, corrugated protection pipes

#### 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

### Uponor 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-K536 D "Plastics Piping Systems of PE-X, for the transport of hot and cold drinking water" 15-12-2011 inclusive amendment sheet dated 10-03-2015.



Luc Leroy  
Kiwa

This product certificate is only valid in combination with a Kiwa certified plastics piping system.

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

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

- quality system
- product

## Flexible, corrugated protection pipes

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### PRODUCT SPECIFICATION

Flexible, corrugated protection pipes according to BRL-K 536 part D: Plastics piping systems of PE-X intended for the transport of cold and heated drinking water.

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

Nominal inside diameter (mm)	Nominal outside diameter
20	25
23	28
28	34

### MARKING

The products are marked with the Kiwa-mark.

#### Protection pipes

The minimum required marking on the protection pipes shall be:

- Kiwa (or Kiwa<sup>®</sup> 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

Corrugated protection pipes are compulsory for PE-X pipes which are not opaque in order to prevent the possible growth of algae in the pipe.

### 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:

- Uponor GmbH  
and, if necessary,
- Kiwa Nederland B.V.

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