



## Product certificate K109663/01

Issued 2022-04-01

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### Flexible corrugated outer casing pipes of HDPE

#### 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

### 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-K17401 part A "Flexible piping systems intended for transport of hot and cold drinking water" dated 16-04-2004 inclusive amendment sheet dated 08-01-2020.

Ron Scheepers  
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.*

CERTIFICATE

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Certification process  
consists of initial and  
regular assessment of:

- quality system
- product



## Flexible corrugated outer casing pipes of HDPE

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### TECHNICAL SPECIFICATION

#### Subject

Flexible corrugated outer casing pipes of HDPE

#### Product characteristics

The product complies to BRL K17401 Part A Flexible piping systems intended for transport of hot and cold drinking water.

#### Specification

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

Nominal outside diameter (mm)
140
175
200
250

Colour: black

Remarks: The corrugated outer casing pipes are made of HDPE and contain UV protective constituents.

#### Fitness for contact with drinking water

This product is not direct in contact with drinking water

The corrugated protection pip is part of a piping package. The piping package exists of:


- PE-X medium carrying pipes (color: natural)
- VIP (Vacuum Insulated Panel) around the medium carrying pipe
- Dog bone from PE-X foam around VIP (Vacuum Insulated Panel) (only for twin pipe system)
- PE-X insulation layer around VIP (Vacuum Insulated Panel)
- HDPE corrugated outer casing pipe around the insulation layer (color: black)

#### MARKING

The products shall be marked with the Kiwa-mark.

#### Protection pipes

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

- **KIWA**  + DH1/ 10 bar;
- certificate number of the accompanying technical approval-with-product certificate of the piping system
- manufacturer's name, trade name or system name;
- material indication inner pipe: PE-Xa;
- nominal outside diameter of the corrugated protection pipe in mm;
- number of inner pipes with nominal outside diameter and wall thickness in mm;
- production code.

#### Logistics

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

#### APPLICATION AND USE

The corrugated protection pipes have to protect the construction and protection against external influences (after installation)..

#### 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.

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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.