

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 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

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.