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Valid until	Indefinite	Page	1 of 3

Quick & Easy System

UPONOR GmbH

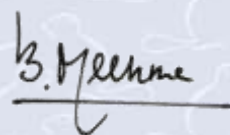
STATEMENT BY KIWA

This technical approval -with-product certificate is issued by Kiwa on the basis of BRL 5609 "Pre-insulated flexible plastics piping systems for warm water distribution outside buildings" issued on 6 January 2014 by Kiwa, in accordance with the Kiwa regulations for product certification.

Kiwa declares that legitimate confidence exists that:

- the by the producer manufactured products comply with the technical specifications as laid down in this technical approval-with-product certificate provided that they have been marked with the KOMO[®]-mark in the manner as indicated in this technical approval-with-product certificate;
- the with certified products composed Quick & Easy System provides the performances as described in the technical approval-with-product certificate, provided that:
 - the manufacturing of the Quick and Easy System intended for heating systems takes place according to the processing methods as laid down in this technical approval-with-product certificate;
 - the application conditions as described in this approval-with-product certificate are met.

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 Quick & Easy System, nor the manufacturing of the Quick & Easy System itself.



Bouke Meekma
Kiwa

The certificate is listed in the overview on the website of Stichting KOMO: www.komo.nl.
Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Holder of Certificate

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Evaluated is:
Quality system
Product in application
Periodic inspection

Quick & Easy System

PRODUCTSPECIFICATIE

Flexible PE-X piping system with plastic medium pipes for warm water distribution, according to BRL5609.

The piping system consists of the following parts:

- PE-Xa Pipes manufactured by Uponor GmbH (certificate K43191);
- Metal Fittings manufactured by Uponor GmbH (certificate K12062),

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

Nominal outside diameter (mm)	Wall thickness (mm)
50	4,6
63	5,8
75	6,8
90	8,2
110	10,0

Metal fittings with a plastics clamp ring of PE-X on the outside are used.

The joints are made with a special expansion system.

Color: white inside / outside.

MARKING

The products shall be marked with the KOMO[®] mark.

Pipes

The minimum required marking on the pipes shall be:

- KOMO[®];
- material identification: PE-Xa;
- nominal outside diameter in mm;
- nominal wall thickness in mm;
- class DH1;
- the manufacturer's name, trade name or logo
- production code.

Location of the marks: on every pipe at intervals of not more than 2 m.

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

Fittings

The minimum required marking on the fittings shall be:

- KOMO (if not possible KOMO only on the smallest packaging);
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe;
- production code.

Location of the marks: on every fitting.

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

The minimum required marking on the smallest packaging unit of the fittings shall be:

- KOMO[®] (or KOMO[®] word mark);
- the manufacturer's name, trade name, logo;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

Location of the marks: on every package.

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

LOGISTICS

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

Quick & Easy System

USAGE

The supplier shall provide installation instructions. A reference to these instructions shall be made at or near the packaging. The instructions must contain specific information with regard to storage, transport, processing temperature and construction of the joints.

PERFORMANCES

1. The system must be oxygen tight.
2. All joints must be leak tight and possess sufficient clamp force to resist external influences.
3. All system components must be designed for a lifetime of 50 years at an a operating temperature profile according to class DH1 of BRL 5609 and a allowable working pressure of maximum 6 bar.

RECOMMENDATIONS FOR USERS

Check at the time of delivery whether:

- the products are in accordance with the agreement;
- the mark and marking method are correct;
- the product show no visible defects as a result of e.g. transport.

Examine by delivery if the under "processing" mentioned products satisfy to this mentioned specifications.

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 installation instructions of the producer for the correct way of storage, transport and processing of the products.

Take the application conditions mentioned under "performances" in consideration.

CONSTRUCTION PRODUCTS REGULATIONS

If a construction product is subject to a European harmonised technical specification, the statements in this KOMO attestation including product certificate must not be used as a replacement for the CE marking on such construction product and/or for the associated obligatory Declaration of Performance.