KOMO®

technical approval-with-product certificate

kiwa
Partner for progress

Number	K56689/01	Replaces	--
Issued	2010-06-15	Dated	--
Valid till	indefinitely	Pages	1 of 3

RvA PRODUCTS RvA C 002

KAN - therm system

KAN sp. z.o.o.

STATEMENT BY KIWA

This product certificate is issued by Kiwa on the basis of BRL 5610 "Plastics piping systems of PE-X/Al intended for heating installations: radiator connections", d.d. 2008-06-01, in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that legitimate confidence exists that:

- 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 KAN– therm system provides the performances as described in the technical approval-with-product certificate, provided that:
  - The manufacturing of KAN– therm 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 the KAN – therm system, nor the manufacturing of the KAN– therm system.

B. Meekma

Bouke Meekma
Directeur Kiwa N.V.

In order to ensure that this document is still valid, it is advised to consult www.kiwa.nl.

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Certificate

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® is een collectief merk van Stichting Bouwkwaliteit.

Evaluated:
Quality system
Product in application
Periodic inspection

KAN - therm system

PRODUCT SPECIFICATION
Technical aspects of the product.

General
Plastics piping systems of PE-X/Al intended for heating installations: radiator connections, according to evaluation guideline 5610, consisting of:

- PE-X/Al pipes: white;
- PPSU press fittings: black;
- Metal press fittings: bronze;

Specifications
The diameters and accompanying wall thickness as mentioned in the table below belong to this product certificate.

Nominal Diameter in mm	Al thickness in mm	KAN-therm press
50	0,5	X
63	0,5	X

Remarks
The pipes are also suitable for underfloor heating.

Marking
The products are marked with the KOMO®-mark.

The minimum required marking on the **pipe** shall be:

- KOMO (or KOMO® word mark) + class 5/6;
- the manufacturer's name, trade name, system name or certificate number of accompanying technical approval (system)certificate;
- material identification of the build up of the pipe: PE-X/Al;
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code.

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

The minimum required marking on the **fittings** shall be:

- KO (if not possible KOMO only on the smallest packaging)
- the manufacturer's name, trade name, system name or certificate number of the accompanying technical approval (system)certificate;
- nominal outside diameter of the corresponding pipe;
- production code.

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

- KOMO® (or KOMO® word mark);
- the manufacturer's name or trade name, certificate number of the certified piping system in which they are certified;
- material identification of the fitting body;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm;

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

Logistics
Production and assembly are laid down in the annex(es) of the product certification agreement.

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 5 of ISO 10508 and a allowable working pressure of maximum 6 bar.

General

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.

So-called "combination boilers" are often applied in individual house heating systems. In such boilers, no double separation between drinking water and heating medium exists. A leak in the single separation may result in the heating medium coming into contact with drinking water. Because of this, it is important that, in case additives are added to the heating medium, a Kiwa technical approval Toxicological Aspects (ATA) has been issued.

The heat emission to the floor is dependent on the thickness of the finishing coat and the mutual distance between the pipes. The preconditions have to be clearly described in the instructions.

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.

If you should reject a product on the basis of the above, please contact:
- KAN sp. z.o.o.

and, if necessary:
- Kiwa N.V.

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