

KOMO[®]

technical approval-with-product certificate



Partner for progress

Number	K52320/01	Replaces	--
Issued	2009-10-01	Dated	--
Valid until	Indefinite	Page	1 of 3



PB 5-layer pipe with PB push-fit system

Nueva Terrain S.L.

STATEMENT BY KIWA

This product certificate is issued by Kiwa on the basis of BRL5605 "Plastics piping systems of PB intended for heating installations: radiator connections" issued on 2008-06-01 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 PB 5-layer pipe with PB push-fit system provides the performances as described in the technical approval-with-product certificate, provided that:
 - the manufacturing of the PB 5-layer pipe with PB push-fit 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 PB 5-layer pipe with PB push-fit system, nor the manufacturing of the PB 5-layer pipe with PB push-fit system.

Bouke Meekma
Director Kiwa N.V.

Advice: consult www.kiwa.nl in order to ensure that this certificate is still valid.

Holder of Certificate
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Evaluated:
Quality system
Product in application
Periodic inspection

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TECHNICAL SPECIFICATION

Plastics piping systems of PB intended for heating installations: radiator connections according to BRL5605.

The piping system exists of the following parts:

- Pipes (PB 5-layer, PB/EVOH/PB);
- mechanical fittings (PB-push-fit);

Detailed specification

The diameters and wall thicknesses indicated in the table below, belong to this technical approval-with-product certificate.

Nominal outside diameter in mm	Wall thickness in mm
15	1,7
22	2,0
28	2,5

Colour: Grey

Marking

The products are marked with the KOMO[®]-mark.

Pipes:

The pipes are marked with the KOMO-mark.

The PB 5-layer pipes are provide with the following marks:

- KOMO (or word mark) + temperature profile/design pressure class 5/6 bar;
- manufacturer's name, registered name, system name, logo or certificate;
- material identification: PB;
- the nominal outside diameter and nominal wall thickness in mm;
- the production code.

Place of the mark: on each pipe at intervals of not more than 2 meter.

The realization of the marks is as follows: indelible imprint.

The fittings are provided with at least the following marks:

- manufacturer's name, trade name or logo;
- nominal outside diameter in mm of the connecting pipe;
- production code.

The smallest packaging unit of the fittings are provided with at least the following information:

- KOMO (or KO word mark)
- manufacturer's name, trade name, system name, logo or certificate number of the accompanying technical approval (system) certificate, in accordance with the marking of the connecting pipe;
- nominal outside diameter in mm of the connecting pipe;
- material identification in case the fitting body is made of plastics.

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

PB 5-layer pipe with PB push-fit system

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 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.

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:

- Nueva Terrain S.L.

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.