

Number K25543/01 Replaces
issued 2005-08-15 Dated --

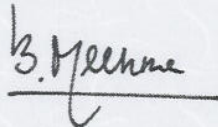
Product certificate
PB pipes

Based on pre-certification tests as well as periodic inspections by Kiwa, the products referred to in this certificate and marked with the Kiwa- mark as indicated under 'marking', manufactured by

Thermaflex Isolatie B.V.

may, on delivery, be relied upon to comply with the Kiwa Evaluation Guideline BRL-K536 part C "Plastics piping systems of PB, intended for the transport of cold and warm drinking water".

Kiwa N.V.



Ing. B. Meekma
Director
Certification and Inspection

This certificate is issued in accordance with the Kiwa Regulations for Product Certification and consists of 3 pages.
Publication of the certificate is not allowed.

Company

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Certificate

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PB pipes

PRODUCT SPECIFICATION

General

Pipes of PB intended for the transport of cold and warm drinking water according to BRL-K536 part C and for flexible piping systems with plastics inner pipe for the transport of heated drinking water according to BRL-K17401 part A.

Detailed specification

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

Nominal outside diameter in mm	Minimum wall thickness in mm	Nominal outside diameter in mm	Minimum wall thickness in mm
16	2,2	50	4,6
20	2,8	63	5,8
25	2,3	75	6,9
32	3,0	90	8,2
40	3,7	110	10,0

Colour: grey.

Toxicological requirements

This product is accepted on the basis of the requirements as laid down in the Ministerial Regulation 'Materials and chemicals drinking water supplies' (published in the gazette).

ATA criteria:

The ATA product certification is based upon two main criteria. The following shall be permanently complied with:

- approved product composition during the application procedure that, because of confidentiality, is laid down in the non-public annex 1A of the certification agreement K25543.
- Alterations are only allowed after successful completion of the applicable application procedure;
- specific ATA-product requirements that, because of confidentiality, are laid down in the non-public annex 1A of the certification agreement K25543.

Logistics

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

APPLICATION AND USE

The products are intended to be used for the construction of household installations for the transport of cold and warm drinking water according to a temperature profile of class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar. The products are also intended to be applied in flexible piping systems with plastics inner pipe for the transport of heated drinking water according to a temperature profile of DH1 of BRL-K17401 part A and an allowable working pressure of maximum 8 bar.

MARKING

The products are marked with the Kiwa-mark.

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

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

Compulsory indications:

- ◆ word mark Kiwa;
- ◆ manufacturer's name or registered trademark;
- ◆ PB;
- ◆ design pressure (10 bar);
- ◆ the nominal outside diameter in mm;
- ◆ the wall thickness in mm;
- ◆ the production code.

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PB pipes

RECOMMENDATIONS FOR USERS

1. Check at the time of delivery whether:
 - 1.1 the delivery is in accordance with the agreement;
 - 1.2 the mark and the marking method are correct;
 - 1.3 the products show no visible defects as a result of e.g. transport.
 2. If you should reject a product on the basis of the above, please contact:
 - 2.1 Thermaflex Isolatie B.V.
and, if necessary;
 - 2.2 Kiwa N.V.
 3. Consult the supplier's processing guidelines for the proper methods of storage and transport.
 4. Check whether this certificate is still valid by consulting the list of certified companies at www.kiwa.nl.
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