

Number	K52317/01	Replaces	--
Issued	2009-10-01	Dated	--
Valid until	n.a.		

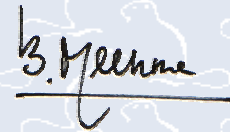
technical approval-with-product certificate

PB 5-layer pipe with PB push-fit system

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

Nueva Terrain S.L.

may, on delivery, be relied upon to comply with the Kiwa audit guideline K536 part C "Plastic Piping Systems of PB, for the transport of hot and cold drinking water" dd 05-12-2003.



Bouke Meekma
Director Kiwa N.V.

This certificate is issued in accordance with the Kiwa-Regulations for Product Certification.

This certificate consists of 3 pages.
Publication of the certificate is allowed.

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PB 5-layer pipe with PB push-fit system

PRODUCT SPECIFICATION

Plastics piping systems of PB intended for the transport of cold and heated drinking water according to BRL-K536/03, part C.

The piping system exists of the following parts:

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

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

Toxicological requirements

The pipes and fittings used in this system are approved on the basis of the requirements set in the "Regeling materialen en chemicaliën leidingwatervoorziening" ("Regulation Materials and Chemicals for Drinking Water Supplies"; published in the Staatscourant). The ATA-criteria are recorded in the respective product certificates.

Logistics

Production and assembly of the system are laid down in the annex of the technical approval-with-product certification agreement.

APPLICATION AND USE

The products are intended to be used for the construction of household installations for the transport of cold and heated drinking water according to a temperature profile of class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

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PB 5-layer pipe with PB push-fit system

MARKING

The system parts are marked with the KIWA-mark.

Pipes:

The **pipes** are marked with the Kiwa-mark.

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

- Kiwa (or word mark) + temperature profile/design pressure class 2/10 bar;
- manufacturer's name, registered name, system name, logo or certificate;
- material identification: (PB 5 layer pipe);
- 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:

- Kiwa (or Kiwa 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.

RECOMMENDATIONS FOR CUSTOMERS:

1. Check at the time of delivery whether:
 - 1.1 the producer has delivery 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 transport etc.
 2. If you should reject a product on the basis of the above, please contact:
 - 2.1 Nueva Terrain S.L.
and, if necessary,
 - 2.2 Kiwa N.V.
 3. Consult the producer's processing guidelines for the proper storage and transport methods.
 4. Check whether this certificate is still valid by consulting www.kiwa.nl
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