

## Technical approval-with-product certificate K24323/03

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Replaces K24323/02  
Page 1 of 3

### PB piping systems

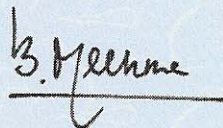
#### Nueva Terrain, S.L.

##### STATEMENT BY KIWA

This product certificate is issued on the basis of BRL K536, part C "Plastics piping systems of PB", in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that legitimate confidence exists that the by the producer manufactured plastics piping system comply with the technical specifications as laid down in this technical approval-with-product certificate, provided that the plastics piping system have been marked with the Kiwa®-mark in the manner as indicated in this technical approval-with-product certificate.

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 plastics piping system nor the manufacturing of the plastics piping system itself.



Bouke Meekma  
director Kiwa Nederland B.V.

Publication of the certificate is allowed.

Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.

Kiwa Nederland B.V.  
Sir Winston Churchillaan 273  
P.O.Box 70  
2280 AB RIJSWIJK

Tel. 070 414 44 00  
Fax 070 414 44 20  
E-mail [info@kiwa.nl](mailto:info@kiwa.nl)  
[www.kiwa.nl](http://www.kiwa.nl)



##### Company

Nueva Terrain, S.L.  
Paduleta 2  
Apartado 444  
01195 Vitoria  
Spain  
Telephone +34 945290030  
Telefax +34 945290024

##### Production Location

Nueva Terrain  
Avenida Rio Ebro, s/n  
El Sequero Industrial Park  
26509 Arrubal  
La Rioja (Spain)  
Telephone +34 941 486178  
Telefax +34 941 486860  
e-mail [planta6@nuevaterrain.com](mailto:planta6@nuevaterrain.com)

Certification process  
consists of initial and  
regular evaluation of:

- quality system
- product

## PB piping systems

### Product specification

The products mentioned below belong to this certificate

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

The piping system exists of the following parts:

- Pipes (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
16	1,8
20	2,3
22	2,0
22	2,4
25	2,3
28	2,5
32	2,9
40	3,7
50	4,6

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.

### Application and use

The products are intended to be used for piping systems for the transport of cold and heated drinking water, with an operating temperature profile according to class 2 of ISO 10508 and an allowable working pressure of maximum 10 bar.

### Marking

The Kiwa<sup>®</sup>-mark products are marked with the word mark "KIWA

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

- Kiwa (or Kiwa quality mark) + ( Kiwa class 2/10 bar)
- the manufacturer's name or trade name, certificate number of the certified piping system in which they are certified;
- material identification of the build up to the pipe; PB
- nominal outside diameter and nominal wall thickness of the pipe in mm;
- production code for traceability.

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

## PB piping systems

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

- KK (if not possible Kiwa on only the smallest packaging)
- name of the manufacturer, trade name, company log, system name or certificate number of the certified piping system in which they are certified;
- Nominal outside diameter of the corresponding pipe;
- Production code.

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

- Kiwa (or Kiwa quality 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;
- production code

### **Recommendations for customer**

Check at the time of delivery whether:

- the producer has delivered in accordance with the agreement;
- the mark and the marking method are correct;
- the products show no visible defects as a result of transport etc.

If you should reject a product on the basis of the above, please contact:

- Nueva Terrain, S.L.

and, if necessary,

- Kiwa Nederland B.V.

Consult the producer's processing guidelines for the proper storage and transport methods.