



Attest-met-productcertificaat K110242/01



Uitgegeven 2023-03-15

Vervangt -

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Tigris MX system

STATEMENT BY KIWA

With this technical-approval-with-product certificate, issued in accordance with the Kiwa Regulations for Certification, Kiwa declares that legitimate confidence exists that the products supplied by

Wavin Nederland B.V.

as specified in this technical-approval-with-product certificate and marked with the Kiwa®-mark in the manner as indicated in this product certificate may, on delivery, be relied upon to comply with Kiwa evaluation guideline BRL K536-K "for the Kiwa Technical approval with product certificate for multilayer piping systems PE-X /AI, PE-RT/AI, PP-R/AI and PP-RCT/AI int" d.d. 15-11-2017.

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 Tigris MX system, nor the manufacturing of the Tigris MX system itself.

Ron Scheepers
Kiwa

Openbaarmaking van het certificaat is toegestaan.

Advies: raadpleeg www.kiwa.nl om na te gaan of dit certificaat geldig is.

284190610

CERTIFICAAT

Kiwa Nederland B.V.

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Onderneming

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Certificatieproces
bestaat uit initiële en
periodieke beoordeling
van:

- kwaliteitssysteem
- product

Tigris MX system

TECHNICAL SPECIFICATION**Subject**

Tigris MX system

Product characteristics

The product complies to BRL K536-K Multilayer piping systems PE-X/Al, PE-RT/Al, PP-R/Al and PP-RCT/Al intended for transport of hot and cold drinking water inside buildings and the "Product Evaluation Guideline W 001 Multilayer Piping Systems 2021-03-31" (PEG).

The system consists of:

- PE-X/Al/PE-HD pipes manufactured by Multilayer Pipe Company Sp.z.o.o. (certificate K25071);
- Metal sliding sleeve fitting with PVDF sliding sleeve manufactured by Wavin Nederland B.V. (certificate K49438).

Specification

The dimensions of the pipe in the table below are part of this certificate.

Nominal outside diameter (mm)	Wall thickness (mm)	Wall thickness aluminum layer (mm)
16	2,0	0,20
20	2,25	0,24
25	2,5	0,30
32	3,0	0,40

Colour:

- Pipe natural inside/white outside
- Fitting body: brass
- Sliding sleeve : black

Fitness for contact with drinking water



This product is approved on the basis of the requirements for hygienic aspects set in the "Regeling materialen en chemicaliën drink- en warm tapwatervoorziening" ("Materials and chemicals in the supply of drinking water and warm tap water Regulation" dated 01-07-2017; published in the Government Gazette). The criteria for these hygienic aspects are laid down in the product certificates.

MERKEN

The products shall be marked with the Kiwa-mark.

Pipes

The minimum required marking on the pipes shall be:

- **KIWA**  or  * + class 2/ 10 bar;
- material identification: PE-Xc;
- the build up of the pipe: PE-Xc/Al/PE-HD;
- certificate number of accompanying technical approval-with-product certificate of the piping system;
- the manufacturer's name, trade name, system name or logo;
- nominal outside diameter in mm;
- nominal wall thickness of the pipe in mm;
- production code.





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

*) for smaller diameters permitted after consultation by Kiwa.

Fittings


Tigris MX system

The minimum required marking on the fittings shall be:

- **KIWA**  or on small products  or  or **KK** or **KK** (if not possible **KIWA**  only on the smallest packaging unit);
- the manufacturer's name, trade name or logo;
- nominal outside diameter of the corresponding pipe;
- production code.

The realization of the marks is as follows: clearly, durable and indelible.

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

- **KIWA**  ;
- certificate number of the accompanying technical approval-with-product certificate of the piping system, according the marking of the belonging pipe;
- the manufacturer's name, trade name, system name or logo;
- material identification if the fitting body is made of plastics;
- nominal outside diameter and nominal wall thickness of the corresponding pipe in mm.

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

LOGISTICS

Production and assembly of the system is laid down in the annex of the certification agreement.

APPLICATION AND USE

The medium pipes and fittings are designed for drinking water installations with a lifetime of 50 years at an operating temperature profile according to class 2 of NEN-ISO 10508 and an allowable working pressure of maximum 10 bar.

RECOMMENDATIONS FOR CUSTOMERS

Check at the time of delivery whether:

- the supplier 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::

- Wavin Nederland B.V.

and, if necessary:

- Kiwa Nederland B.V.

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