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## Product Certificate

### Wavin Tigris M1

Based on pre-certification tests as well as periodic inspections by Kiwa Nederland B.V., the products referred to in this certificate and marked with the GASTEC QA mark, supplied by

### Wavin Nederland B.V.

may, on delivery, be relied upon to comply with the GASTEC QA Approval Requirements 198, for "multilayer pipe systems for indoor gas installations with a maximum operating pressure up to and including 5 bar"; dated May 2007+A1:2010.



Luc Leroy  
Kiwa

This certificate is issued by Kiwa Nederland B.V. in conjunction with the KIWA regulations for Product Certification.

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

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## Wavin Tigris M1

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### PRODUCT SPECIFICATION

#### WAVIN Tigris Gas System

Multilayer PE-Xb/Al/PE-Xc pipe systems for indoor gas installations.  
Max. operating pressure 5 bar.

Multilayer PE-Xb/Al/PE-Xc Pipe, color yellow:  
Diameters 16x2,0, 20x2,25, 25x2,5 and 32x3,0 mm

Coupler for Wavin Tigris Gas system.

Material: brass with stainless steel press sleeve.

Tigris Gas straight coupler 16

Tigris Gas straight coupler 20

Tigris Gas straight coupler 25

Tigris Gas straight coupler 32

Tigris Gas Transition coupler 16x1/2" Inner thread

Tigris Gas Transition coupler 20x1/2" Inner thread

Tigris Gas Transition coupler 20x3/4" Inner thread

Tigris Gas Transition coupler 25x3/4" Inner thread

Tigris Gas Transition coupler 32x1" Inner Thread

Tigris Gas Transition coupler 16x1/2" Outer thread

Tigris Gas Transition coupler 20x1/2" Outer thread

Tigris Gas Transition coupler 20x3/4" Outer thread

Tigris Gas Transition coupler 25x3/4" Outer thread

Tigris Gas Transition coupler 25x1" Outer thread

Tigris Gas Transition coupler 32x1" OuterThread

Tigris Gas Elbow 90° 16

Tigris Gas Elbow 90° 20

Tigris Gas Elbow 90° 25

Tigris Gas Elbow 90° 32

Tigris Gas Transition Elbow 16x1/2" Inner thread

Tigris Gas Transition Elbow 20x3/4" Inner thread

Tigris Gas Transition Elbow 25x3/4" Inner thread

Tigris Gas Transition Elbow 32x1" Inner thread

Tigris Gas T-piece 20x20x16

Tigris Gas T-piece 20x16x20

Tigris Gas T-piece 20x16x16

Tigris Gas T-piece 25x16x25

Tigris Gas T-piece 25x16x16

Tigris Gas T-piece 25x20x25

Tigris Gas T-piece 25x20x20

Tigris Gas T-piece 32x20x32

Tigris Gas T-piece 32x25x32

Tigris Gas T-piece 16

Tigris Gas T-piece 20

Tigris Gas T-piece 25

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## Wavin Tigris M1

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Tigris Gas T-piece 32  
Tigris Gas Transition T-piece 16x1/2" Inner thread  
Tigris Gas Transition T-piece 20x1/2" Inner thread  
Tigris Gas Transition T-piece 20x3/4" Inner thread  
Tigris Gas Transition T-piece 25x3/4" Inner thread  
Tigris Gas Transition T-piece 32x1" Inner thread  
Tigris Gas coupler 20x16  
Tigris Gas coupler 25x16  
Tigris Gas coupler 25x20  
Tigris Gas coupler 32x25  
Tigris Gas Wall Plate 16x1/2" Inner thread  
Tigris Gas Wall Plate 20x1/2" Inner thread  
Tigris Gas Wall Plate 20x3/4" Inner thread  
Tigris Gas Wall Plate 25x3/4" Inner thread

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### APPLICATION AND USE

Multilayer pipes and matching tensile-resistant fittings for use in indoor gas installations in sizes ranging from 12 mm up to and including 63 mm outside diameter. The system is for use in contact with 2nd and 3rd family gases in accordance with table 1 of EN 437.  
The maximum admissible operating pressure for these multilayer systems is 5 bar.  
The system is intended for indoor use at operating temperatures from -20 °C up to +60 °C.

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### MARKING

- The products are marked with the GASTEC QA logo,
- Manufacturer's name and/or trademark, name or symbol,
- Inside diameter.

Place of the marking:

On the tube sleeves, clearly and permanently at distances of a maximum of 2.5 m.

Method of marking:

Non-erasable.

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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 Wavin Nederland B.V.  
and, if necessary,
    - 2.2 Kiwa Nederland B.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 Kiwa Nederland B.V. or the Kiwa website.
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