




Issued  Replaces -

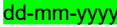

Valid till *Indefinite* Dated


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System name




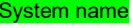
Name of the certificate holder

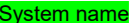
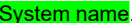
STATEMENT BY

This technical approval-with-product certificate is based on Assessment Directive/BRL 52204 "Plastics piping systems for drainage and sewerage with or without pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP)" dated , issued according to the  Regulation for Certification.

The quality system and the product characteristics belonging to the  are checked periodically and the performance in the application is assessed. The basic principles for the assessment are checked periodically.

Based on this Kiwa declares that:



- legitimate confidence exists that the by the holder of the technical approval-with-product certificate delivered   comply with:
 - the technical specifications as laid down in this technical approval-with-product certificate;
 - the product requirements as laid down in this technical approval-with-product certificate, provided that the  is provided with the KOMO®-mark in the manner as indicated in this technical approval-with-product certificate;
- the  provides the performances as described in this KOMO technical approval-with-product certificate, provided that:
 - the application conditions and technical specifications as described in this KOMO approval-with-product certificate are met;
 - the manufacturing takes place according to the processing methods as laid down in this technical approval-with-product certificate.

Within the framework of this KOMO technical approval-with-product certificate there is no inspections with regard to the production of other parts of the  or the processing of the .


signature

Name signer

This technical approval-with-product certificate is also published on the KOMO foundation websites: www.komo.nl and www.komo-online.nl.

Users of this technical approval-with-product certificate is advised to check whether it is still valid. For this purpose consult the website of : .nl">www..nl.

474200612


Address informaton

Certificate holder



Assessed is:

- Quality system
- Product
- Performance in the application

Periodic control

System name

1. TECHNICAL SPECIFICATION

This technical approval-with-product certificate relates to the **System name** intended for drainage and sewerage according to Assessment Directive/BRL 52204 "Plastics piping systems for drainage and sewerage with or without pressure – glass reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) dated **yyyy-mm-dd**".

The **System name** consists of the following parts:

- Pipes, fittings and joints.

The **System name** is designed for **uniaxial use (without hydrostatic end thrust)** and/or **biaxial use (with hydrostatic end thrust)** and suitable for the conveyance of drainage (surface) or sewerage water at temperatures up to 35 °C.

Pressure class (PN)

1, 2.5, 4, 6, 8, 10, 12.5, 16, 20, 25, 32.

Nominal diameter range (DN)

DN 100 up to and including DN 4000.

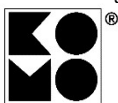
Stiffness class (SN)

630, 1250, 2500, 5000, 10000, 12500 up to and including 1000000.

2. MARKINGS AND INDICATIONS

The products are marked with the KOMO[®]-logotype or KOMO[®]-word mark.

De uitvoering van het KOMO[®]-beeldmerk is als volgt:



The following markings and indications are applicable for the different products.

Pipes

Marking details shall be printed or formed directly on the pipes in such a way that the marking does not initiate cracks or other types of failure. If printing is used, the colouring of the printed information shall differ from the basic colouring of the product and such that the markings shall be readable without magnification.

The following marking details shall be on the outside of each pipe, and in the case of pipes of DN 600 or greater shall be either on the inside or on the outside surface:

- Number of this Assessment Directive or applicable standard; "BRL 52204" or "EN-ISO 23856";
- Nominal size DN and diameter series: **A or B1**;
- Stiffness rating;
- Pressure rating;
- Manufacturer's name or identification;
- Date or code of manufacture;
- Certificate number;
- Quality mark: KOMO[®] logotype or KOMO[®] word mark.

Note: Pipe is supplied by the factory with a coupling installed on one end. Pipe and coupling may also be supplied separately upon request.

Fittings

Marking details shall be printed or formed directly on the fitting in such a way that the marking does not initiate cracks or other types of failure. If printing is used, the colouring of the printed information shall differ from the basic colouring of the product and such that the markings shall be readable without magnification.

System name

The following marking shall be on the outside of each fitting:

- Number of this Assessment Directive or applicable standard; "BRL 52204" or "EN 14364";
- Nominal size DN and diameter series: "A or B1";
- For bends, branches or saddles, the designated fitting angle; (not applicable for couplings)
- For reducers nominal sizes DN1 and DN2; (not applicable for couplings)
- Stiffness rating; (not applicable for couplings)
- Pressure rating;
- Joint type: "flexible joint" and "non end-load-bearing"; (not applicable for couplings)
- Manufacturer's name or identification;
- Date or code of manufacture;
- Certificate number;
- Quality mark: KOMO[®] logotype or KOMO[®] word mark.

3. PERFORMANCES IN THE APPLICATION**3.1** Lifetime, nominal pressure, nominal stiffness and temperature profile

The minimum lifetime of **System name** is 50 years.

The applicable nominal pressures and stiffnesses (see § 1) are suitable for the conveyance of drainage (surface) or sewerage water at temperatures up to 35 °C.

4. PRODUCT CHARACTERISTICS

The following jointing technique(s) is/are used within the **System name**.

- Flexible non-end-load-bearing joints with elastomeric sealing rings.
- Flexible end-load-bearing joints with elastomeric sealing rings.
- Wrapped or cemented joints.
- Bolted flange joints.

5. INSTALLATION INSTRUCTIONS

The supplier shall provide installation instructions, approved by **C1**. A reference to these instructions shall be made at or near the packaging. The instructions are published in the Dutch or English language and contains at least specific information with regard to storage, transport, processing temperature and construction of the joints.

The installation instruction shall also include specific information regarding the putting into use as well as being in use of the **System name**, including specific information about the heat transfer of the **System name**.

6. TIPS FOR THE USER

Check on delivery of the products listed under the "technical specification" whether:

- The product(s) and material(s) ordered are delivered in accordance with the agreement you made;
- The brand and the method of marking is correct;
- No defects or damage is visible (for example, resulting from the transportation).

If on the basis of the foregoing you decide to proceed to rejection, please contact:

- **Name certificate holder**

And if necessary,

- **C1**

Carry out the storage, transport and processing in accordance with the provisions included in this product certificate as well as with the above mentioned installation instructions of the certificate holder.