



**KOMO®**  
 Technical approval-with-product certificate  
**K102091/01**



Issued 2019-07-15 Replaces -  
 Valid until Indefinite Dated  
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Pipes and couplings made of glass reinforced polyester for drainage and sewerage

**Superlit Romania S.A.**

**STATEMENT BY KIWA**

This technical approval-with-product certificate is issued on the base of BRL 52204 "Plastics piping systems for draining and sewerage with of without pressure – Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP)" dated 19-12-2016 conform the Kiwa Regulations for Certification.

The quality system and the product characteristics belonging to the pipes and couplings made of glass reinforced polyester for drainage and sewerage are checked periodically and the performance of the pipes and couplings in the application is assessed. The basic principles for the assessment are checked periodically.

On this base Kiwa declares that:

- a justified confidence exists, that the pipes and couplings made of glass reinforced polyester for drainage and sewerage delivered by the certificate holder at delivery fulfil:
  - the technical specification laid down in this technical approval-with-product certificate;
  - the product requirements as laid down in this technical approval-with-product certificate and in the BRL;
 provided that pipes and couplings made of glass reinforced polyester for drainage and sewerage have been marked with the KOMO®-mark in a manner as indicated in this technical approval-with-product certificate;
- the pipes and couplings made of glass reinforced polyester for drainage and sewerage provide the performances as described in this technical approval-with-product certificate, provided that:
  - the application conditions and the technical specifications as laid down in this technical approval-with-product certificate are met;
  - the manufacturing is in accordance with the regulations and processing methods as laid down 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 pipes and couplings made of glass reinforced polyester for drainage and sewerage, nor the manufacturing of the pipes and couplings made of glass reinforced polyester for drainage and sewerage itself.

Ronald Karel  
 Kiwa

*The certificate is listed in the overview on the website of Stichting KOMO: [www.komo.nl](http://www.komo.nl).  
 Advice: consult [www.kiwa.nl](http://www.kiwa.nl) in order to ensure that this certificate is still valid.*

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**Evaluated is:**  
 Quality system  
 Product  
 Performance in application  
 Periodic inspection

## Pipes and couplings made of glass reinforced polyester for drainage and sewerage

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### TECHNICAL SPECIFICATION

#### General

To this certificate belong pipes, couplings and joints in conformity with evaluation guideline 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 2016-12-19".

#### Pipes and couplings

Pipes and couplings are designed for uni-axial use (without hydrostatic end thrust). Only SUPERLIT GRP Couplings, consisting of a GRP sleeve with a permanently fitted, full width EPDM gasket seal belong to this certificate.

#### Pressure class (PN)

1, 2.5, 4, 6, 10, 16.

#### Nominal diameter range (DN)

DN 150 up to and including DN 2400, according to manufacturer's list.

#### Stiffness class (SN)

5000, 10000, 20000.

### MARKING

#### 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 evaluation guideline "BRL 52204" or "EN 14364";
- Nominal size DN and diameter series "B";
- Stiffness rating SN in accordance with clause 4 of EN 14364;
- Pressure rating PN in accordance with clause 4 of EN 14364;
- Manufacturer's name or identification;
- Date or code of manufacture;
- Certificate number.
- Quality mark: letters KOMO or KOMO® logo.

#### Couplings

Marking details shall be printed or formed directly on the couplings 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 in such a way that the markings shall be readable without magnification.

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

- Number of this evaluation guideline "BRL 52204" or "EN 14364";
- Nominal size DN and diameter series "B";
- Pressure rating PN in accordance with clause 4 of EN 14364;
- Manufacturer's name or identification;
- Date or code of manufacture;
- Certificate number.
- Quality mark: letters KOMO or KOMO® logo.

### RECOMMENDATION FOR THE CUSTOMER

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.



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Examine at delivery of the products mentioned under "processing" that they comply to the mentioned specifications.

if you should reject a delivery on the basis of the above, please contact:

- Superlit Romania S.A.

and, if necessary:

- Kiwa Nederland B.V.

For the proper storage, transport and processing follow the instructions given under "processing".

Take notice of the application conditions given under "Performances in application".

\* For the correct version of the listed documents reference is made to the latest revision of BRL 52204.

