



KOMO<sup>®</sup>  
Product certificate  
K95458/01



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Valid until Indefinite Dated  
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*Prilobno drubvo Pestan d.o.o.*  
*Br. 3202.*  
*10.7 JUN 2017*  
*BUKOVIK - ARANĐELOVAC*



# CERTIFICATE

Fittings for non-pressure underground drainage and sewerage – PVC-U

## Pestan d.o.o.

### STATEMENT BY KIWA

This product certificate is issued on the basis of BRL 52200 "Plastic piping systems for non-pressure underground drainage and sewerage – PVC-U" issued on 10 January 2017 by Kiwa, in accordance with the Kiwa Regulations for Product Certification.

Kiwa declares that legitimate confidence exists that the by the producer manufactured fittings for non-pressure underground drainage and sewerage – PVC-U comply with the technical specifications as laid down in this product certificate, provided that the fittings for non-pressure underground drainage and sewerage – PVC-U have been marked with the KOMO<sup>®</sup>-mark in the manner as indicated in this product certificate.

Luc Leroy  
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.

Publication of this certificate is allowed.

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Evaluated is:  
quality system  
product  
Periodic inspection

Fittings for non-pressure underground drainage and sewerage – PVC-U

**PRODUCT SPECIFICATION**

Fittings of PVC-U for non-pressure underground drainage and sewerage in accordance with guideline BRL 52200. The products, given in the tables below are part of this product certificate.

Colour of the fittings: red-brown or grey.

Legenda:

MS = socket-spigot  
 MM = socket-socket  
 R = rubber ring connection

MMS = socket-socket-spigot  
 MMM = socket-socket-socket

**Table 1 - Bend MS – R**

Nominal outside diameter DN	Class SDR 41			
	15°	30°	45°	87,5°
110	X	X	X	X
125	X	X	X	X
160	X	X	X	X
200	X	X	X	X

**Table 2 – Double socket MM – R**

Nominal outside diameter DN	Class SDR 41
110	X
125	X
160	

**Table 3 – Tee MMS – R**

Nominal outside diameter DN	Class SDR41	
	87,5	45°
110/110	X	X
125/110	X	X
125/125	X	X
160/110	X	X
160/125	X	X
160/160		
200/110	X	X
200/125	X	X
200/160	X	X
200/200	X	X

**Table 4 – Excentric reducer MS – R**

Nominal outside diameter DN	Class SDR 41
125/110	X
160/110	X
160/125	X
200/110	X
200/160	X

**Table 5 – Reducer MS – R**

Nominal outside diameter DN	Class SDR 41
110/200	X
125/200	X

**Table 6 - Bend MM – R**

Nominal outside diameter DN	Class SDR 34			
	15°	30°	45°	87,5°
110			X	X
125			X	X
160			X	X

**Table 7 - Tee MMM – R**

Nominal outside diameter DN	Class SDR 34	
	87,5°	45°
110/110	X	X
125/110	X	X
125/125	X	X
160/110	X	X
160/125	X	X
160/160	X	X




## Fittings for non-pressure underground drainage and sewerage – PVC-U

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### MARKING

The products shall be marked with the KOMO<sup>®</sup> mark.  
The realization of the marks is as follows: clear, durable and indelible.

The fittings shall be marked with at least the following marks:

- KOMO word mark or logo ;
- certificate number\*;
- manufacturer's name or trade name\*;
- material designation\*;
- classification;
- nominal outside diameter of the corresponding pipe in mm;
- angle of the fitting if applicable\*;
- production period or production code.

Marking with BRL 52200 is optional.

\* These indications may, if not otherwise possible, be provided together with the smallest packaging unit.

### APPLICATION AND USE

The products are intended to be used in a plastic piping system for non-pressure underground drainage and sewerage.

Take into account the following installation guidelines:

- NEN 3215 "Drainage system inside and outside buildings – Determination methods for drainage capacity, water and air tightness and distance for roof mounted outlets";
- NTR 3216 "Sewerage inside dwellings – Guide for design and construction";
- NEN-EN 1610 "Construction and testing of drains and sewers";
- the processing guidelines of the producer.

### PROCESSING GUIDELINES

The supplier shall provide processing instructions.

The instructions drawn up in the Dutch language shall contain specific information with regard to storage, transport and installation of the products.

### 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:

- Pestan d.o.o.
- and, if necessary,
- Kiwa Nederland B.V.

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

### LIST OF DOCUMENTS\*

- NEN 3215+C1: 2014 "Drainage system inside and outside buildings – Determination methods for drainage capacity, water and air tightness and distance for roof mounted outlets"
- NTR 3216: 2012 "Sewerage inside dwellings – Guide for design and construction"
- NEN-EN 1610: 2015 "Construction and testing of drains and sewers"

\* For the right version of the mentioned documents, see the last correction page of the BRL.