



KOMO®

Product certificate with attestation

K55291/06



Issued	2022-09-15	Replaces	K55291/05
Valid until	Indefinite	Dated	2019-12-15
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Vacurain Flex rainwater drainage system of PVC-U based on full flow

Dyka B.V.

STATEMENT BY KIWA

This product certificate with attestation is based on BRL 5215 "Rainwater drainage system based on full flow, manufactured from PE or PVC-U" dated 17 December 2018, issued according to the Kiwa-Regulation for Certification.

The quality system and the product characteristics forming part of the Vacurain Flex rainwater drainage system of PVC-U based on full flow are checked periodically. Based on this, **Kiwa declares that:**

- There is legitimate confidence that upon delivery, the Vacurain Flex rainwater drainage system of PVC-U based on full flow meets the requirements:
 - of the technical specifications laid down in this product certificate with attestation;
 - the product requirements laid down in the BRL.Provided that the Vacurain Flex rainwater drainage system of PVC-U based on full flow is accompanied by the KOMO® quality mark in the manner set out in this product certificate with attestation.
- The system compiled with this Vacurain Flex rainwater drainage system of PVC-U based on full flow, which performs as specified in this product certificate with attestation, provided:
 - the technical specification and the conditions of application laid down in this product certificate with attestation are fulfilled
 - the manufacture takes place in accordance with the regulations and/or processing methods laid down in this product certificate with attestation.

In the context of this certificate, checks are made neither on the production of Vacurain Flex rainwater drainage system of PVC-U based on full flow nor on the composition of and/or assembly.

Ron Scheepers
Kiwa

This product certificate with attestation is also included on the KOMO foundation websites: www.komo.nl and www.komo-online.nl.

Users of this product certificate with attestation is advised to check whether it is still valid. For this purpose consult the website of Kiwa: www.kiwa.nl.

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Assessed is:

- Quality system
- Product
- Performance in the application

Periodic control

Vacurain Flex rainwater drainage system of PVC-U based on full flow

TECHNICAL SPECIFICATION

Rainwater drainage system of PVC-U Vacurain Flex, based on full flow according to guideline BRL 5215.

The system consists of the following products:

- PVC-U pipes;
- PVC-U fittings;
- Roof inlets, hoses and connections.

PRODUCT SPECIFICATION

PVC-pipes

Pipes of PVC-U to be used in rainwater drainage system based on full flow, according to guideline BRL 5215.

The pipes with an outside diameter as given in table 1 are part of this product certificate with attestation.

Colour: the colour of the PVC pipes is green, guide value RAL 6007.

Table 1 - Pipes

D(mm)	
40	X
50	X
63	X
75	X
90	X
110	X
125	X
160	X
200	X
250	X

PVC-fittings

Fittings of PVC to be used in rainwater drainage system based on full flow, according to guideline BRL 5215.

The products, given in the tables 2 up till and including table 7 are part of this certificate with attestation.

Colour: the colour of the PVC fittings is green, guide value RAL 6007.

The connections are adhesive connections.

Table 2 - Bend

D(mm)	45°	87°	90°
40	MM,MS		MM
50	MM,MS		MM
63	MM,MS		MM
75	MM,MS		MM
90	MM,MS		MM
110	MM,MS		MM
125	MM,MS		MM
160	MM,MS		MM
200	MM	MM	
250	MM		MM

Table 4 - Socket, MM

D(mm)	
40	X
50	X
63	X
75	X
90	X
110	X
125	X
160	X
200	X
250	X

Table 3 - Reducer eccentric, MS

D(mm)	
63/40	X
63/50	X
75/50	X
75/63	X
90/40	X
90/50	X
90/63	X
90/75	X
110/40	X
110/50	X
110/63	X
110/75	X
110/90	X
125/40	X
125/50	X
125/63	X
125/75	X
125/90	X
125/110	X
160/40	X
160/50	X
160/63	X
160/75	X

Table 3 - continuation on next page

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Table 5 - Reducer centric

D(mm)	
50/40	X

Table 3 - Reducer eccentric, MS (continuation)

D(mm)	
160/90	X
160/110	X
160/125	X
200/160	X
250/200	X

Table 6 - Expansion fitting

D(mm)	
50	X
63	X
75	X
90	X
110	X
125	X
160	X
200	X
250	X

Table 7 - Tees 45°, MMM

D(mm)	
40/40	X
50/50	X
63/63	X
75/75	X
90/90	X
110/110	X
125/125	X
160/160	X
200/200	X
250/250	X

M = socket

S = spigot

Roof-inlets, hoses and connections

The products, given in the tables 8 up till and including table 10 are part of this certificate.

Table 8 - Roof-inlets

Type	50 mm	75 mm
Vacurain gutter outlet	X	
Vacurain outlet bitumen	X	X
Vacurain outlet plastic film	X	X
Vacurain outlet plastic film	X	X

Table 9 - Flexible hose

D (mm)	
50/40	X
50/50	X
50/63	X
75/75	X

Table 10 - Connection components

Type	40 mm	50 mm	63 mm	75 mm
Spigot bushing	X	X	X	X
Clic socket		X		X
Fixation bushing		X		X

MARKING


Pipes

The products shall be marked with the KOMO®-mark.

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

Location of the marks: on every pipe at intervals of not more than 2 m.

The pipes 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, for Ø 110 mm up to and including Ø 200 mm;
- nominal outside diameter in mm;
- production period or production code.

Marking with BRL 5215 is optional.


Vacurain Flex rainwater drainage system of PVC-U based on full flow

Fittings

The products shall be marked with the KOMO® 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 5215 is optional.

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

Roof inlets

- certificate number;
- manufacturer's name or trade name;
- material designation;
- nominal outside diameter of the corresponding pipe in mm;
- production period or production code.

Marking with BRL 5215 is optional.

APPLICATION AND USE

The products are intended to be used in a plastic piping system for the drainage of rainwater based on full flow. The drainage of the rainwater takes place on the inside.

Take into account the following installation guidelines:

- 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.

LOGISTICS

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

PERFORMANCE

1. Minimum flow capacity shall be met in accordance with BRL 5215 and producers specification. This is tested and established with a pre described test assembly.
2. The system must be leak tight.
3. Every point, except the roof inlet and the connection roof inlet on system, must withstand an under pressure of 0,8 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.

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:

- Dyka B.V.
- 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".

Verify if this product certificate is still valid, see the website of Kiwa Netherlands.

