



BCCA

BENOR CERTIFICATE

issued on the basis of the provisions of the Implementation Rules for BENOR certification of thermoplastic pipes and accessories, TRA BB 651, to the company

Martens kunststoffen

Postbus 30, NL - 4900 AA Oosterhout,

for the production of

PVC-fittings for non-pressure underground drainage and sewerage, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (110-200mm), stiffness class SN2, SN4 and SN8

manufactured in the production unit

Martens kunststoffen

Postbus 30, NL - 4900 AA Oosterhout,

in accordance with the

NBN EN 1401-1:2019+A1:2023 “Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC-U)” and the PTV 1005:2021

By issuing the certificate, BCCA declares that, on the basis of (I) the initial assessment of the product characteristics by means of testing; (II) the initial evaluation and acceptance of the quality assurance in production; (III) the regular external control of the implementation of the quality assurance processes and the control schemes agreed upon; (IV) regular control tests in a recognised external laboratory, sufficient confidence can be given to the measures taken by the certificate holder for guaranteeing conformity with the prescriptions.

The annex to this certificate gives the data with regard to the certified product. This document is an annex to the certificate and is authenticated by BCCA.

Following the issuing of this certificate and as long as it is maintained valid, BCCA grants the right to use the BENOR mark to the certificate holder. The proof of delivery of a product under the BENOR mark is given by a suitable identification on the product. The use of the BENOR mark does not relieve the certificate holder of his responsibilities with regard to the delivered product. The validity of this certificate can be checked via www.bcca.be.

N° certificate BB-651-658-1401C1-2-3D1-658-2592 | Valid from 2026-03-01 until 2029-02-28

Issued on 6 March 2026.


Olivier DELBROUCK
General Manager

The BENOR mark is a registered collective mark, that is the property of the Bureau for Standardisation (NBN). The BENOR certification is a voluntary system that is established on the basis of a consensus between stakeholders and is a response on the request of the user to have sufficient certainty about the aspects with regard to, ex., quality, public security, suitability for use, health and the interests of the end users.

The validity of this certificate can be checked on the website www.bcca.be.

Further clarification regarding the scope of this certificate and the applicability of the requirements of the standard may be obtained from the certified organisation.

ASBL BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION VZW
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021-PROD

Annex to the BENOR Certificate

BB-651-658-1401C1-2-3D1-658-2592

Version 1 of 6 March 2026


PVC-fittings for non-pressure underground drainage and sewerage, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (110-200mm), stiffness class SN2, SN4 and SN8

PVC-fittings					
TYPES WHICH ARE PART OF THIS CERTIFICATE					
<ul style="list-style-type: none"> - Color: red-brown (RAL 8023) – grey (RAL 7037) - Connections: socket/spigot¹ – 2xsocket² – 2xsocket/spigot³ – 3xsocket⁴ - Fitting group 1: Flex⁵ - Fitting group 2: T-piece flow⁶ – double T-piece⁷ - Fitting group 3: slide sleeve⁸ – socket⁹ – reduction¹⁰ – end stop socket end¹¹ – end stop screw lid¹² - SN2 - SN4¹³ – SN8¹⁴ 					
Fitting group 1 (bends)					
Size group 1:					
	<u>Angle</u>				
<u>Diameter (mm)</u>	<u>15°</u>	<u>30°</u>	<u>45°</u>	<u>87°</u>	<u>90°</u>
110	-	-	X ^{1,2,13}	X ^{2,13}	X ^{1,2,13}
125	X ^{1,13}	X ^{1,13}	X ^{1,2,13,14}	X ^{1,2,13,14}	X ^{1,2,5,13,14}
160	X ^{1,2,13,14}	X ^{1,2,13,14}	X ^{1,2,13,14}	X ^{1,2,13,14}	X ^{1,2,13,14}
200	X ^{1,2,13}	X ^{1,2,13}	X ^{1,2,13,14}	X ^{1(13),2(13,14)}	X ^{1(13),2(13,14)}
Fitting group 2 (branches)					
Size group 1:					
	<u>Diameter 2 (mm)</u>				
<u>Diameter (mm)</u>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>	
110	45 ^{°3,4,13/87°3,4,13/90°3,4,7,13}	-	-	-	
125	45 ^{°3,4,13/87°4,13}	-	-	-	
125	-	45 ^{°3,4,13,14/87°3,4,13,14/90°3,4,13,14,(7,6(13,14))}	-	-	
160	-	-	45 ^{°13((3,4),7),14(4)/87°13((3,4),7),14(4)/90°13(3),6(14)}	-	
160	45 ^{°4,13/87°4,13}	-	-	-	
160	-	45 ^{°3(13),4(13,14)/87°13(3,4),14(4)}	-	-	
200	-	-	-	45 ^{°13(3,4),14(4)/87°13(3,4),14(4)/90°13(3)}	
200	45 ^{°13(4)/87°13(4)}	-	-	-	
200	-	45 ^{°4(13,14)/87°4(13,14)}	-	-	
200	-	-	45 ^{°4(13,14)/87°4(13,14)}	-	
Fitting group 3 (others: reductions, sockets,...)					
Size group 1:					
	<u>Diameter 2 (mm)</u>				
<u>Diameter 1 (mm)</u>	<u>75</u>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>
110	-	X ^(13,14,8,9)	-	-	-
110	-	-	X ^{10,13}	-	-
110	-	-	-	X ^{10,13}	-
125	45 ^{°3,13/87°3,13}	-	-	-	-
125	-	-	X ^(13,14,8,9)	-	-
125	-	-	-	X ^{10,13}	-
125	-	-	-	-	X ^{10,13}
160	-	-	-	X ^{(13,14,8,9),11,12}	-
160	-	-	-	-	X ^{10,14}
200	-	-	-	-	X ^(13,14,8,9)

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Marking:	<p>The marking includes at least the following information:</p> <ul style="list-style-type: none"> - Manufacturer: MARTENS - Nominal diameter: Ødn - Nominal angle - SDR: SDR 51 (SN2) or SDR 41 (SN4) or SDR 34 (SN8) - Standard: EN 1401 - Material: PVC - Application area code: U* of UD ** - BENOR - Manufacturer's information enabling traceability <p style="text-align: center;">Example:</p>  <p>*U: Application area code for the non-pressure underground drainage and sewerage outside the building structure **UD: application area code for non-pressure underground drainage and sewerage for both buried in ground within the building structure and outside the building structure</p>
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This annex is valid as long as the BENOR certificate remains valid.

Issued on 6 March 2026.


Olivier DELBROUCK
 General Manager