



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 soil and waste discharge (low and high temperature) within the building structure, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (32-90mm) and 2 (110-200mm)

manufactured in the production unit

Martens kunststoffen

Postbus 30, NL - 4900 AA Oosterhout,

in accordance with the

NBN EN 1329-1:2021 "Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - 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-651-658-1329C1-2-3D1-2-658-2579 | Valid from 2026-03-01 until 2029-02-28

Issued on 9 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.

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Annex to the BENOR Certificate

BB-651-658-1329C1-2-3D1-2-658 -2579

Version 1 of 9 March 2026

PVC-fittings for soil and waste discharge (low and high temperature) within the building structure, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (32-90mm) and 2 (110-200mm)

PVC Fittings								
TYPES WHICH ARE PART OF THIS CERTIFICATE								
<ul style="list-style-type: none"> - Color: grey (RAL 7037) - Connection: socket/spigot¹ - 2xsocket² - 3xsocket³ - Fitting group 3: socket⁴ - repair socket⁵ - reduction⁶ - double reduction⁷ 								
Fitting group 1 (bends)								
Size Group 1:								
	External diameter 2 (mm)							
External diameter 1 (mm)	32	40	50	75	90			
32	45 ^{±1.2/90} ^{±1.2}	-	-	-	-			
40	-	45 ^{±1.2/90} ^{±1.2}	-	-	-			
50	-	-	45 ^{±1.2/90} ^{±1.2}	90 ^{±2}	-			
75	-	-	-	22,5 ^{±1/45} ^{±1.2/90} ^{±1.2}	-			
90	-	-	-	-	45 ^{±1.2/88} ^{±1.2}			
Size group 2:								
	110	125	160	200				
110	15 ^{±2/22,5} ^{±1.2/30} ^{±2/45} ^{±1.2/67} ^{±1/87} ^{±1.2}	-	-	-				
125	-	15 ^{±2/22,5} ^{±1/30} ^{±2/45} ^{±1.2/67} ^{±1/87} ^{±1.2}	-	-				
160	-	-	45 ^{±1.2/67} ^{±1/87} ^{±1.2}	-				
200	-	-	-	45 ^{±1.2/87} ^{±1.2}				
Fitting group 2 (branches)								
Size group 1:								
	Diameter Ø (mm)							
External diameter Ø (mm)	32	40	50	75	90			
32	45 ^{±2.3/90} ^{±2.3}	-	-	-	-			
40	-	45 ^{±2.3/87} ^{±3/90} ^{±2.3}	-	-	-			
50	-	45 ^{±2.3/90} ^{±3}	45 ^{±2.3/87} ^{±3/90} ^{±2.3}	-	-			
75	-	45 ^{±2.3/87} ^{±3/90} ^{±2.3}	45 ^{±2.3/87} ^{±3/90} ^{±2.3}	45 ^{±2.3/87} ^{±3/90} ^{±2.3}	-			
90	-	-	-	-	45 ^{±2/88} ^{±2.3}			
Size group 2:								
	40	50	75	90	110	125	160	200
110	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	-	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	-	-	-
125	45 ^{±3}	45 ^{±2.3/87} ^{±3}	45 ^{±2.3/87} ^{±3}	-	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	45 ^{±2.3/87} ^{±2.3/90} ^{±3}	-	-
160	-	-	-	-	45 ^{±3/87} ^{±3}	45 ^{±2.3/87} ^{±3}	45 ^{±2.3/87} ^{±3}	-
200	-	-	-	-	-	-	-	45 ^{±3/87} ^{±3}
Fitting group 3 (others : reduction,sockets,...)								
Size group 1:								
	Diameter Ø (mm)							
External diameter Ø (mm)	32	40	50	75	90			
32	X ^{4(2),5(3)}	-	-	-	-			
40	X ⁶	X ^{4(2),5(3)}	-	-	-			
50	X ⁶	X ⁶	X ^{4(2),5(3)}	-	-			
75	-	X ⁶	X ⁶	X ^{4(2),5(3)}	-			
90	-	X ⁶	X ⁶	X ⁶	X ⁶	X ⁴		

Annex to the BENOR Certificate

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Version 1 of 9 March 2026

Size group 2:								
	40	50	75	90	110	125	160	200
110	X ^{6,7}	X ^{6,7}	X ⁶	X ⁶	X ^{4(2),5(3)}	-	-	-
125	X ⁶	X ⁶	X ⁶	-	X ⁶	X ^{4(2),5(3)}	-	-
160	-	-	-	-	X ⁶	X ⁶	X ⁴⁽²⁾	-
200	-	-	-	-	-	-	-	X ⁴⁽²⁾

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 or wall thickness (only BD) - Standard: EN 1329 - Material: PVC - Application area code: B*or BD** - BENOR - Manufacturer's information enabling traceability <p style="text-align: center;">Example:</p> <div style="text-align: center;">  </div> <p><small>*B: application area code for components intended for soil and waste discharge applications (low and high temperature) inside buildings ** BD: application area code for components intended for soil and waste discharge applications (low and high temperature) for both inside buildings and buried in ground within the building structure</small></p>
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This annex is valid as long as the BENOR certificate remains valid.

Issued on 9 March 2026.


Olivier DELBROUCK
 General Manager