


<u>Groupe de dimensions 2 :</u>								
	<u>40</u>	<u>50</u>	<u>75</u>	<u>90</u>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>
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}
<u>Groupe de raccords 3 (autres : réduction, manchon,...)</u>								
<u>Groupe de dimensions 1 :</u>								
	<u>Diamètre Ø (mm)</u>							
<u>Diamètre extérieur Ø (mm)</u>	<u>32</u>	<u>40</u>	<u>50</u>	<u>75</u>	<u>90</u>	<u>110</u>	<u>125</u>	<u>160</u>
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)}	X ⁶	X ^{4(2),5(3)}	-	-
90	-	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁶	X ⁴
<u>Groupe de dimensions 2 :</u>								
	<u>40</u>	<u>50</u>	<u>75</u>	<u>90</u>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>
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⁾
Marquage (exemple) :	Martens EN 1329 B* PVC diamètre/angle - année de production (horloge) BENOR 							
	*B : code de zone d'application pour l' évacuation des eaux usées (basse et haute températures) à l'intérieur du bâtiment et à l'extérieur du bâtiment fixé au mur.							

Cette annexe est valable tant que le certificat BENOR est valable.

Délivrée à Bruxelles, le 23 février 2023.



ir. Benny DE BLAERE
Président du Comité de Gestion
générale Certification & Agrément

La marque BENOR est une marque collective déposée, propriété du Bureau de Normalisation (NBN). La certification BENOR est un système volontaire élaboré sur base d'un consensus entre parties prenantes et est une réponse à la demande de l'utilisateur d'avoir suffisamment d'assurance en ce qui concerne les aspects se rapportant p.ex. à la qualité, à la sécurité publique, à l'aptitude à l'emploi, à la santé et aux intérêts des utilisateurs finaux.



BENOR

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

Statendamweg 75 – 77, NL - 4905 AD 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

Statendamweg 75 – 77, NL - 4905 AD 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-651-658-1329.C1-2-3D1-2-658-2579 | Valid from 2023-03-01 until 2026-02-28

Issued in Brussels, on 23 February 2023.


ir. Benny DE BLAERE
President of the General management
Committee for Certification & Approval

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.

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**Annex to the BENOR Certificate
BB-651-658-1329.C1-2-3D1-2-658-2579**

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)

Version 1 of 2 March 2023

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 					
<u>Fitting group 1 (bends)</u>					
<u>Size Group 1:</u>					
	<u>External diameter 2 (mm)</u>				
<u>External diameter 1 (mm)</u>	<u>32</u>	<u>40</u>	<u>50</u>	<u>75</u>	<u>90</u>
32	45 ^{o1,2} /90 ^{o1,2}	-	-	-	-
40	-	45 ^{o1,2} /90 ^{o1,2}	-	-	-
50	-	-	45 ^{o1,2} /90 ^{o1,2}	90 ^{o2}	-
75	-	-	-	22,5 ^{o1} /45 ^{o1,2} /90 ^{o1} ₂	-
90	-	-	-	-	45 ^{o1,2} /88 ^{o1,2}
<u>Size group 2:</u>					
	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>	
110	15 ^{o2} /22,5 ^{o1,2} /30 ^{o2} /45 ^{o1} ₂ /67 ^{o1} /87 ^{o1,2}	-	-	-	
125	-	15 ^{o2} /22,5 ^{o1} /30 ^{o2} /45 ^{o1,2} /67 ^{o1} /87 ^{o1,2}	-	-	
160	-	-	45 ^{o1,2} /67 ^{o1} /87 ^{o1,2}	-	
200	-	-	-	45 ^{o1,2} /87 ^{o1,2}	
<u>Fitting group 2 (branches)</u>					
<u>Size group 1:</u>					
	<u>Diameter Ø (mm)</u>				
<u>External diameter Ø (mm)</u>	<u>32</u>	<u>40</u>	<u>50</u>	<u>75</u>	<u>90</u>
32	45 ^{o2,3} /90 ^{o2,3}	-	-	-	-
40	-	45 ^{o2,3} /87 ^{o3} /90 ^{o2,3}	-	-	-
50	-	45 ^{o2,3} /90 ^{o3}	45 ^{o2,3} /87 ^{o3} /90 ^{o2,3}	-	-
75	-	45 ^{o2,3} /87 ^{o3} /90 ^{o2,3}	45 ^{o2,3} /87 ^{o3} /90 ^{o2,3}	45 ^{o2,3} /87 ^{o3} /90 ^{o2,3}	-
90	-	-	-	-	45 ^{o2} /88 ^{o2,3}

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