



BENOR

BCCA

BENOR CERTIFICATE

issued on the basis of the provisions of the Implementation Rules for BENOR certification
of plastics piping systems for non-pressure underground drainage and sewerage, TRA BB 651,

to the company

Redi spa

Via Madonna Dei Prati 5 A, IT - 40069 Zola Predosa,

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) and 2 (250-400mm), stiffness class SN4**

manufactured in the production unit

Redi spa

Via Madonna Dei Prati 5 A, IT - 40069 Zola Predosa,

in accordance with the

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

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 or, if this isn't possible, on the packaging. 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-651-3975-1401.C1-2-3D1-2-3975-18332 | Valid from 2023-02-01 until 2026-01-31

Issued in Brussels, on 18 January 2023.


ir. B. De Blaere,
President of the General management
Committee for certification and 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.

BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION NPO
REGISTERED OFFICE : CANTERSTEEN, 47 BE-1000 BRUSSELS
OPERATIONAL OFFICE : HERMESLAAN, 9 BE-1831 DIEGEM TEL. + 32 2 238 24 11
MAIL@BCCA.BE | WWW.BCCA.BE




021 PROD


Annex to the BENOR Certificate
BB-651-3975-1401.C1-2-3D1-2-3975-18332

PVC-fittings for non-pressure underground drainage and sewerage, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (110-200mm) and 2 (250-400mm), stiffness class SN4


Version 1 of 18 January 2023

Redi: PVC fittings					
TYPES WHICH ARE PART OF THIS CERTIFICATE:					
<ul style="list-style-type: none"> - Stiffness class: SN4 (SDR41) - Colours: grey (RAL7037) and red-brown (RAL8023) - Single socket ¹ or all sockets ² 					
Fitting group 1 (bends):					
Size group 1:					
	<i>Angle</i>				
<u>External diameter Ø (mm)</u>	<u>15°</u>	<u>30°</u>	<u>45°</u>	<u>67°</u>	<u>87°</u>
110	X ¹	X ¹	X ¹	-	X ¹
125	X ¹	X ¹	X ¹	-	X ¹
160	X ¹	X ¹	X ¹	-	X ¹
200	X ^{1/2}	X ²	X ^{1/2}	X ¹	X ^{1/2}
Size group 2:					
	<i>Angle</i>				
<u>External diameter Ø (mm)</u>	<u>15°</u>	<u>30°</u>	<u>45°</u>	<u>87°</u>	
250	X ^{1/2}	X ^{1/2}	X ^{1/2}	X ^{1/2}	
315	X ^{1/2}	X ^{1/2}	X ^{1/2}	X ^{1/2}	
400	X ¹	X ¹	X ¹	X ¹	
Marking (example):					
<p>* 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>					

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.


Redi: PVC fittings				
TYPES WHICH ARE PART OF THIS CERTIFICATE:				
<ul style="list-style-type: none"> - Stiffness class: SN4 (SDR41) - Colours: grey (RAL7037) and red-brown (RAL8023) - Single socket ¹ or all sockets ² 				
Fitting group 2 (branches):				
Size group 1:				
	<i>Diameter branch (mm)</i>			
<i>External diameter Ø (mm)</i>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>
110	45° / 87° ¹			
125	-	45° / 87° ¹		
160	-	-	45° / 87° ¹	
200	-	-	-	45° / 87° ^{1/2}
Size group 2:				
	<i>Diameter branch (mm)</i>			
<i>External diameter Ø (mm)</i>	<u>160</u>	<u>200</u>	<u>250</u>	<u>315</u>
250		45° / 87° ^{1/2}	45° / 87° ^{1/2}	
315		45° / 87° ^{1/2}		45° / 87° ^{1/2}
400				
Marking (example):				
	* 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			

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.

Redi: PVC fittings					
TYPES WHICH ARE PART OF THIS CERTIFICATE:					
<ul style="list-style-type: none"> - Stiffness class: SN4 (SDR41) - Colours: grey (RAL7037) and red-brown (RAL8023) - Reducers¹, repair couplers², double sockets³, end caps⁴ 					
Fitting group 3 (other: reducers, double sockets,...):					
Size group 1:					
	<i>Diameter Ø (mm)</i>				
<i>External diameter Ø (mm)</i>	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>	
110	X ^{2/3/4}				
125	X ¹	X ^{2/3/4}			
160	X ¹	X ¹	X ^{2/3/4}		
200	-	X ¹	-		X ^{2/3/4}
Size group 2:					
	<i>Diameter Ø (mm)</i>				
<i>External diameter Ø (mm)</i>	<u>160</u>	<u>200</u>	<u>250</u>	<u>315</u>	<u>400</u>
250	X ¹	X ¹	X ^{2/3/4}		
315		X ¹	X ¹	X ^{2/3/4}	
400			-	X ¹	X ^{2/3/4}
Marking (example):					
	<p>* 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>				

This annex is valid as long as the BENOR certificate remains valid.

Issued in Brussels, on 18 January 2023.



ir. B. De Blaere,
President of the General management
Committee for certification and 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.