



**BCCA**

**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

**PESTAN**

**Arandjelovac, RS - 1300 Kaplara-Bukovik,**

for the production of

**PP-fittings for non-pressure underground drainage and sewerage,  
fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (110-  
200mm), 2 (250-400mm) and 3 (450-630mm), stiffness class SN8 (S13,3)**

manufactured in the production unit

**PESTAN**

**Arandjelovac, RS - 1300 Kaplara-Bukovik,**

Distributed in Belgium by

**Riopro bvba**

**Lokerenbaan 114 – 9420 Zele,**

in accordance with the

**NBN EN 1852-1: 2018 “Plastics piping systems for non-pressure underground  
drainage and sewerage - Polypropylene (PP)” and the PTV 1006: 2014**

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](http://www.bcca.be).

**N° certificate BB-651-23138-1852.C1-2-3D1-2-3-23138-43083 | Valid from 18-12-2019 until 17-12-2022**

Issued in Brussels, on 19 December 2019.

  
ir. B. De Blaere,  
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.

**BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION NPO**

FOUNDERS: BBRI AND SECO

RUE D'ARLON 53, BE – 1040 BRUSSELS

TEL. + 32 2 238 24 11

MAIL@BCCA.BE | WWW.BCCA.BE



**Annex to the BENOR Certificate**  
BB-651-23138-1852.C1-2-3D1-2-3-23138-43083

**PP-fittings for non-pressure underground drainage and sewerage, fitting group 1 (bends), 2 (branches) and 3 (other), size group 1 (110-200mm), 2 (250-400mm) and 3 (450-630mm), stiffness class SN8 (S13,3)**  
Version of 19 December 2019

PP Strong					
TYPES WHICH ARE PART OF THIS CERTIFICATE					
Fitting group 1 (bends):					
Size group 1:					
External diameter Ø (mm)	Angle				
	15°	30°	45°	67,5°	87,5°
110	X	X	X	X	X
125	X	X	X	X	X
160	X	X	X	X	X
200	X	X	X	X	X
Size group 2:					
External diameter Ø (mm)	Angle				
	15°	30°	45°	67,5°	87,5°
250	X	X	X	X	X
315	X	X	X	X	X
400	-	-	X	-	X
Size group 3:					
External diameter Ø (mm)	Angle				
	15°	30°	45°	67,5°	87,5°
450	-	-	-	-	-
500	-	-	X	-	-
630	-	-	-	-	-

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PP Strong					
TYPES WHICH ARE PART OF THIS CERTIFICATE					
Fitting group 2 (branches):					
Size group 1:					
<u>External diameter Ø (mm)</u>	<u>Diameter connection (mm)</u>				
	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>	
110	45° / 87,5°	-	-	-	-
125	-	45° / 87,5°	-	-	-
160	-	-	45° / 87,5°	-	-
200	-	-	45° / 87,5°	45° / 87,5°	-
Size group 2:					
<u>External diameter Ø (mm)</u>	<u>Diameter connection (mm)</u>				
	<u>160</u>	<u>200</u>	<u>250</u>	<u>315</u>	<u>400</u>
250	45° / 87,5°	45° / 87,5°	45° / 87,5°	-	-
315	45° / 87,5°	45° / 87,5°	45° / 87,5°	45° / 87,5°	-
400	-	-	-	-	-

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PP Strong

**TYPES WHICH ARE PART OF THIS CERTIFICATE**

Fitting group 3 (other: reductions, couplers,...):

**Size group 1:**

<u>External diameter Ø (mm)</u>	<u>Diameter (mm)</u>			
	<u>110</u>	<u>125</u>	<u>160</u>	<u>200</u>
110	X	-	-	-
125	-	X	-	-
160	-	-	X	-
200	-	-	-	X

**Size group 2:**

<u>External diameter Ø (mm)</u>	<u>Diameter (mm)</u>			
	<u>200</u>	<u>250</u>	<u>315</u>	<u>400</u>
250	X	X	-	-
315	X	-	X	-
400	-	-	-	X

**Size group 3:**

<u>External diameter Ø (mm)</u>	<u>Diameter (mm)</u>		
	<u>400</u>	<u>450</u>	<u>500</u>
450	-	-	-
500	-	-	X
630	-	-	-

**Marking:  
(example)**



\* UD: application area code for underground unpressurized sewers both underground within the building structure and outside the building

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

Issued in Brussels, on 19 December 2019.



ir. B. De Blaere,  
General Manager

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