



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

**B.S.I. sa**

Rue Georges Stephenson 1, BE - 7180 Seneffe,

for the production of

**PVC-pipes for non-pressure underground drainage and sewerage, size group 1 (110-200mm) and 2 (250-400mm), stiffness class SN2, SN4 and SN8**

manufactured in the production unit

**B.S.I. sa**

Rue Georges Stephenson 1, BE - 7180 Seneffe,

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

**N° certificate 15189-15189-BB-651-3053-1401.P D1-2-3053 | Valid from 2024-10-01 until 2027-09-30**

Issued in Brussels, on 24 October 2024.

  
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.

**BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION NPO**  
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The validity of this certificate can be checked on the website [www.bcca.be](http://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.



### Annex to the BENOR Certificate

15189-BB-651-3053-1401.P D1-2-3053

Version 1 of 24 October 2024

## PVC-pipes for non-pressure underground drainage and sewerage, size group 1 (110-200mm) and 2 (250-400mm), stiffness class SN2, SN4 and SN8

Pipes of unplasticized poly vinyl chloride (PVC-U) for non-pressure underground sewerage			
TYPES WHICH ARE PART OF THIS CERTIFICATE			
<b>SN2 / SDR 51 application area code « U » (*1)</b>			
size group 1		size group 2	
diameter (mm)	Wall thickness (mm) min - max	diameter (mm)	Wall thickness (mm) min - max
110		250	4,9 – 5,6
125		315	6,2 – 7,1
160	3,2 – 3,8	400	7,9 – 8,9
200	3,9 – 4,5		
<b>SN4 / SDR 41 application area code « UD » (*1)</b>			
size group 1		size group 2	
diameter (mm)	Wall thickness (mm) min - max	diameter (mm)	Wall thickness (mm) min - max
110	3,2 – 3,8	250	6,2 – 7,1
125	3,2 – 3,8	315	7,7 – 8,7
160	4,0 – 4,6	400	9,8 – 11,0
200	4,9 – 5,6		
<b>SN8 / SDR 34 application area code « UD » (*1)</b>			
size group 1		size group 2	
diameter (mm)	Wall thickness (mm) min - max	diameter (mm)	Wall thickness (mm) min - max
110	3,2 – 3,8	250	7,3 – 8,3
125	3,7 – 4,3	315	9,2 – 10,4
160	4,7 – 5,4	400	11,7 – 13,1
200	5,9 – 6,7		
(*1) application area code:			
« U »	Application area code for non-pressure underground drainage and sewerage system, outside the building structure		
« UD »	Application area code for non-pressure underground drainage and sewerage system for both buried in the ground within the building structure and outside the building structure		
Marking : (Examples)	BSI EN 1401 RIOOL/EGOUT UD PVC-U 160x4.7 SN8 BENOR 7037 U010/S110 19/09/24 09:57 PVC MET HERGEBRUIKGARANTIE RECYCLABLE		

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

Issued in Brussels, on 24 October 2024.



Olivier DELBROUCK  
General Manager