



BELGIAN  
CONSTRUCTION  
CERTIFICATION  
ASSOCIATION  
npo

Founded by:  
BBRI and SECO

Nr: A-B-C-D-E

A: **BB**  
B: **651**  
C: **553**  
D: **1401**  
E: **553**

Valid

from

**01/03/2014**

to

**28/02/2017**

Rue d' Arlon 53,  
B - 1040 BRUSSELS

Tel. : + 32 2 238 24 11  
Fax. : +32 2 238 24 01

www.bcca.be

**BENOR**

## PRODUCT CERTIFICATE

BCCA declares that has been established that the **applicant**

**Kabelwerk Eupen Ag  
Malmedyer Strasse 9  
B - 4700 Eupen**

takes the necessary measures in order to ascertain that the products:

**Pipes of unplasticized poly vinyl chloride (PVC-U)**

**for the diameter groups D1 and D2**

manufactured in the factory located at:

**Kabelwerk Eupen Ag  
Malmedyer Strasse 9  
B - 4700 Eupen**

may correspond with the performances described in the standard **NBN EN 1401-1**

**Plastics piping systems for non-pressure underground drainage and  
sewerage - Unplasticised poly(vinyl chloride) (PVC-U)**

**and the PTV 1005**

The certificate is delivered based on a study and an acceptance of the relevant **initial type tests (ITT)**, executed on relevant samples taken from the production unit and on bases of an initial inspection of the production and the **factory production control system (FPC)**.

BCCA confirms that the manufacturer applies a valid production control system and executes regular testing on samples taken from the production according to a fixed testing program. BCCA supervises the production and the production control system during the yearly audit of the FPC, periodical control of the internal control results and witness-testing.

On bases of the delivery and the maintenance of this certificate, the manufacturer is authorized to use the BENOR-logo as a means to attest the conformity of his products.

This certificate is valid during the period mentioned left side of this document, provided that the specification of the standard and the regulatory conditions are not modified.

Brussels, 21 March 2014

ir. Benny De Blaere  
General Manager



021 PROD

2515 - 2516



Rue d'Arlon 53,  
BE – 1040 BRUSSELS

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NBN EN 1401-1

**Plastics piping systems for non-pressure underground drainage and sewerage -  
Unplasticised poly(vinyl chloride) (PVC-U)**

TECHNICAL FILE		Version:	1
This documentation is part of the corresponding BENOR-certificate		Date:	24/03/2014
BB - 651 - 553 - 1401 - P. D1/D2		Author:	CLE/BCCA

2.515 / 2.516

Types of pipes which are part of this certificate

SN2 / SDR 51 application code "U" (\*1)

P.D1		P.D2		P.D3	
Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>
110		250	4,9 - 5,6	500	
125		315	6,2 - 7,1	630	
160	3,2 - 3,8	400	7,9 - 8,9		
200	3,9 - 4,5				

SN4 / SDR 41 application code "UD" (\*1)

P.D1		P.D2		P.D3	
Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>
110	3,2 - 3,8	250	6,2 - 7,1	500	
125	3,2 - 3,8	315	7,7 - 8,7	630	
160	4,0 - 4,6	400	9,8 - 11,0		
200	4,9 - 5,6				

# - #

SN8 / SDR 34 application code "UD" (\*1)

P.D1		P.D2		P.D3	
Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>	Ø (mm)	wallthickness (mm) <u>min</u> - <u>max</u>
110	3,2 - 3,8	250	7,3 - 8,3	500	
125	3,7 - 4,3	315	9,2 - 10,4	630	
160	4,7 - 5,4	400	11,7 - 13,1		
200	5,9 - 6,7				

(\*1) Application code

"U"	application area code for non-pressure underground drainage and sewerage system, outside the building structure
"D"	application area code for non-pressure underground drainage and sewerage system for both buried in the ground within the building structure and outside the buiding structure.

Marking of the pipe; printed directly, durable in use

pipe:	manufacturer - commercial name - dimension - standard - BENOR - date - code of production,...
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