



technical sheet

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS

BENOR

This technical data sheet was printed on 6/06/2025.
The validity of this technical data sheet can be checked on
<http://extranet.copro.eu/>



TECHNICAL DATA SHEET

QUICK CODE	VERSION	VALIDITY
0021/0007	5.3 - 3/05/2025	CERTIFIED
CERTIFICATE HOLDER	PRODUCTION UNIT	CERTIFICATE NUMBER
EURO SWEILLEM Stiegstrasse 60 D-41379 Brüggen-Bracht +49 2 15 71 28 64 11 info@euro-sweillem.de	SWEILLEM VITRIFIED CLAY PIPES CO. 6 El-Saad Street, Khalafawi Square EG-11614 Cairo +20 2 22 06 50 97 mostafa.sweillem@sweillem.net	BENOR 021/95 Vitrified clay pipe systems

PRODUCT

OFFICIAL NAME	COMMERCIAL NAME
ADAPTORS, CONNECTORS AND FLEXIBLE COUPLINGS	SHORT LENGTH ENLARGER ÜF

CAPTION ON THE PRODUCT

BENOR
Production date
Production unit
EN 295-4
PTV 895-4
Nominal size (DN...)
Joint system

APPLICATION

- | | | |
|--|---|---|
| ☒ SB 250 - versie 3.1 | ☒ PTV 895-4 (3.0) | ☒ EN 295-4 (2013) |
| ☒ CCT/TB 2015 | | |
| ☒ CCT Qualiroutes (2017) | | |
| ☒ CCT Qualiroutes (2021) | | |
| ☒ SB 250 - versie 4.1 + errata | | |

This product was not checked according to the crossed-out reference documents or does not comply with them.

Use: Drains and sewers.

EXPLANATIONS (THIS DOES NOT COME UNDER SUPERVISION IN THE CONTEXT OF BENOR CERTIFICATION)

ATTENTION POINTS - TO BE CHECKED BY CUSTOMER (NOT LIMITED)

- * Is there a delivery note for each delivery?
- * Is there reference to the technical data sheet on the delivery document?
- * Does the technical data sheet code mentioned on the delivery note correspond with the code mentioned on the product?
- * Does the product meet the requirements from the tender?

FORM OF DELIVERY			
Wooden Box			
EXTRA INFORMATION			
* In case vulcanized rubber sealing elements are supplied as separate components, they should be marked with reference to PTV 8681-1 and the classification for high chemical resistance. * Coupling materials such as polypropylene sleeve couplings, metal banded flexible couplings and adaptors, connectors, insertable fittings and sealing rings and heatshrinkable sleeves should be marked with reference to PTV 895-4.			
Contact at			
* COPRO:	Koen Van Daele	+32 2 468 00 95	koen.vandaele@copro.eu
* Certificate holder:	Uwe Bormann	+49 2 15 71 28 64 17	Uwe.bormann@euro-sweillem.de

PRODUCT CHARACTERISTICS					
GENERAL REQUIREMENTS	ACCORDING	UNIT	VALUE	MIN	MAX
Water absorption	PTV 895-4, Cla use 3.4.2	%	-	-	6
Appearance	PTV 895-4, Cla use 3.4.3		Glazed	-	-
DIMENSIONAL REQUIREMENTS	ACCORDING	UNIT	VALUE	MIN	MAX
Internal diameter (*)	PTV 895-4, Cla use 3.4.4	mm	See drawing	-	-
Length (*)	PTV 895-4, Cla use 3.4.5	mm	See drawing	-	-
Squareness of ends and joint interchangeability (*)	PTV 895-4, cla use 3.4.7		Pass	-	-
OTHER REQUIREMENTS	ACCORDING	UNIT	VALUE	MIN	MAX
Tightness (*)	PTV 895-4, cla use 3.4.9		-	-	-
<i>Airtightness</i>			Pass	-	-
<i>Watertightness</i>			Pass	-	-
Chemical resistance	PTV 895-4, cla use 3.4.10	%	-	-	0,25
REQUIREMENTS FOR JOINT ASSEMBLIES	ACCORDING	UNIT	VALUE	MIN	MAX
Joint interchangeability (*)	PTV 895-4, Cla use 3.5.2		Pass	-	-
<i>Jointing system</i>		Class	C-F	-	-
Watertightness under angular deflection (*)	PTV 895-4, Cla use 3.5.3	mm	pass	-	-
Watertightness under shear load (*)	PTV 895-4, Cla use 3.5.4		Pass	-	-
Chemical and physical resistance to effluent (*)	PTV 895-4, Cla use 3.5.5	Class	CH	-	-
Thermal cycling stability (*)	PTV 895-4, Cla use 3.5.6		Pass	-	-
Long-term thermal stability (*)	PTV 895-4, Cla use 3.5.7		Pass	-	-
Increased watertightness at 1 bar	PTV 895-4, Cla use 3.5.8		Pass	-	-

Watertightness assembly of connector and clay pipe	PTV 895-4, Clause 3.5.9		Pass	-	-
Increased watertightness at 1 bar connector + pipe	PTV 895-4, Clause 3.5.10		Pass	-	-

(*) These product characteristics are a statement by the producer taken from its declaration of performance. The certificate holder declares that the values listed are in accordance with its declaration of performance.

TECHNICAL DRAWING

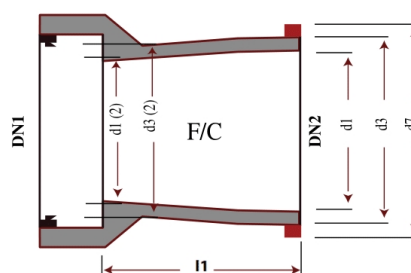
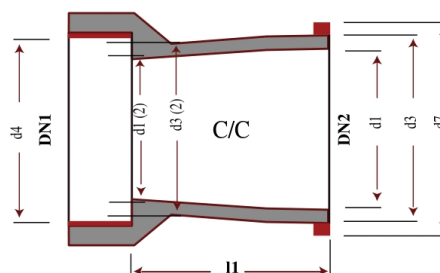
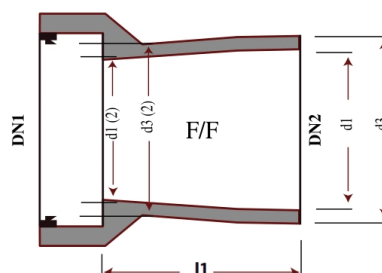
N SHORT LENGTH ENLARGER, ÜF



Nominal size Joint Strength class Inner ø Outer ø Socket inner ø Joint spigot outer ø Length Weight**

DN1/DN2 (mm)	(-)	TKL (-)	d1/d1 (2) ± Tolerance (mm)	d3/d3 (2) ± Tolerance (mm)	d4 ± Tolerance (mm)	d7 ± Tolerance (mm)	l1 (m)	(kg/Pcs)
125/150	F/F	- /-	151 ± 5/126 ± 4	186 ± 2/ 159 ± 2	-	-	0.25	8
150/200	F/F	- /200	200 ± 5/151 ± 5	242 ± 3/ 186 ± 2	-	-	0.25	11
150/200	F/C	- /200	200 ± 5/151 ± 5	242 ± 5/ 186 ± 2**	-	263 ± 0.5	0.25	11
150/200	F/C	- /240	200 ± 5/151 ± 5	254 ± 5/ 186 ± 2**	-	278.4 ± 0.5	0.25	14
200/250	F/C	200/160	250 ± 6/ 200 ± 5	299 ± 6/ 242 ± 3**	-	320 ± 0.5	0.25	15
200/250	C/C	200/160	250 ± 6/ 200 ± 5	299 ± 6/ 242 ± 3**	260 ± 0.5	320 ± 0.5	0.25	15
250/300	C/C	160/160	300 ± 7/ 250 ± 6	355 ± 7/ 299 ± 6**	317.5 ± 0.5	374 ± 0.5	0.25	15

** Is not a requirement from PTV 895-4



Datasheet Short length Enlarger, ÜF | Quick Code: 0021/0007

ATTESTATION

The BENOR certification of the product states that there is, on the basis of a periodic external supervision, a sufficient degree of confidence that the certificate holder is in a position to continuously guarantee the conformity of the product as specified in the reference documents and TRA 95 BENOR (3.0).

This datasheet contains the performance characteristics specified by the manufacturer. The datasheet is verified by the certification body.

The certificate holder declares that the product supplier/delivered by it conforms to the datasheet as set out on the delivery note.

By making it available digitally, the producer declares that he agrees with this sheet

Name: Uwe Bormann

Date: 7/02/2024

COPRO

Name: Koen Van Daele

Date: 22/01/2024

Signature:



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Zellik