

**CERTIFICATION OF** 

### VITRIFIED CLAY PIPE SYSTEMS



This technical data sheet was printed on 2/04/2025. The validity of this technical data sheet can be checked on http://extranet.copro.eu/



TECHNICAL DATA SHEET					
QUICK CODE	VERSION	VALIDITY			
0015/0009	8.0 - 1/04/2025	CERTIFIED			
CERTIFICATE HOLDER	PRODUCTION UNIT	CERTIFICATE NUMBER			
WIENERBERGER INFRA Europaallee 63 D-50226 Frechen +49 22 34 50 70 info@steinzeug-keramo.com	WIENERBERGER INFRA 'WERK 1' Verlängerte Torgauerstrasse 1 D-06905 Bad Schmiedeberg +49 34 92 57 50 info@steinzeug-keramo.com	BENOR 0015/95 Vitrified clay pipe systems			

PRODUCT	
OFFICIAL NAME	COMMERCIAL NAME
PIPES AND JOINTS FOR PIPE JACKING	VITRIFIED CLAY JACKING PIPES
CAPTION ON THE PRODUCT	
BENOR Production date Production unit	

EN 295-7

PTV 895-7

Nominal size (DN...)

Crushing strength FN in kN/m

Jacking strength FJ in MN

#### **APPLICATION**

CCT/TB 2015 PTV 895-7 (3.0) EN 295-7 (2013)

CCT Qualiroutes (2017)

SB 250 - versie 4.1 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 CHECHED BY CUSTOMER (NOT LIMITED)

### TECHNICAL DATA SHEET

### **QUICK CODE 0015/0009**

- \* 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

On a pallet.

#### **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 stainless steel sleeves, polypropylene sleeve couplings and load transfer rings should be marked with reference to PTV 895-7.
- \* The KeraMat Lubricant shall be used for all vitrified clay joint systems.
- \* The conformity of the rubber components according to PTV 895-7 and EN 681-1 is demonstrated by an equivalence procedure, which is part of the BENOR certification of the vitrified clay product.

#### Contact at

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GENERAL CHARACTERISTICS		ACCORDING	UNIT	VALUE	MIN	MAX
Water absorption		PTV 895-7, Cla use 3.4.2	%	-	-	6
Appearance	•	PTV 895-7, Cla use 3.4.3		Glazed	-	-
DIMENSIONAL REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Internal diameter	(*)	PTV 895-7, Cla use 3.4.4	mm	See drawing	-	-
Continuity of invert	(*)	PTV 895-7, Cla use 3.4.5	mm	See drawing	-	-
External diameter	(*)	PTV 895-7, Cla use 3.4.6	mm	See drawing	-	-
Length	(*)	PTV 895-7, Cla use 3.4.7	m	See drawing	-	-
Squareness of ends	(*)	PTV 895-7, Cla use 3.4.8	mm	-	-	1
Deviation from straightness	(*)	PTV 895-7, Cla use 3.4.9	mm	-	-	5
OTHER REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Crushing strength	(*)	PTV 895-7, Cla use 3.4.10	kN/m	See drawing	-	-
Bending tensile strength		PTV 895-7, Cla use 3.4.11	N/mm²	-	18	-
Compressive strength		PTV 895-7, Cla use 3.4.12	N/mm²	-	100	-
Jacking strength	(*)	PTV 895-7, Cla use 3.4.13	kN	See drawing	-	-
Maximum working jacking load		PTV 895-7, Cla use 3.4.14		Pass	-	-
Fatigue strength under cycling load		PTV 895-7, Cla use 3.4.15		Pass	-	-

## TECHNICAL DATA SHEET

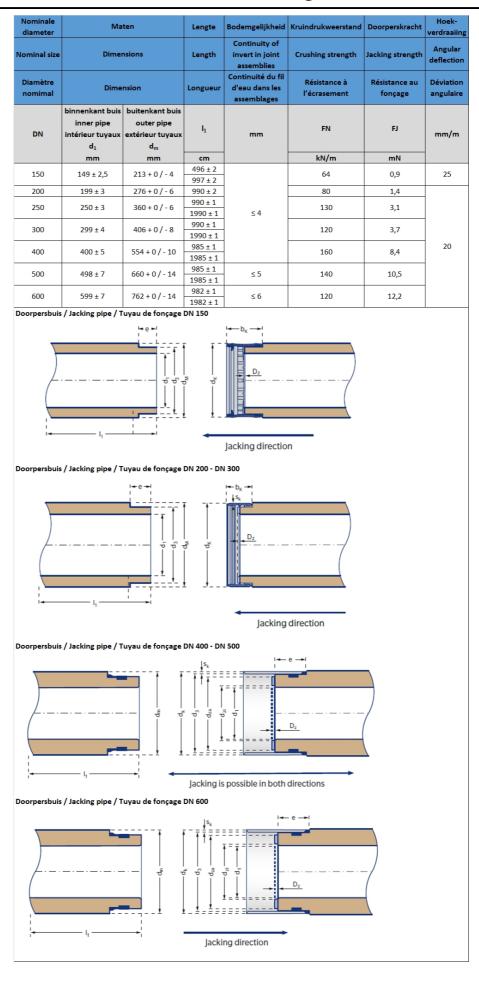
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Watertightness	(*)	PTV 895-7, Cla use 3.4.16		Pass	-	-
Airtightness	(*)	PTV 895-7, Cla use 3.4.17		Pass	-	-
Chemical resistance	(*)	PTV 895-7, Cla use 3.4.18	%	-	-	0,15
Abrasion resistance		PTV 895-7, Cla use 3.4.20	Class	АН	-	0,25
Resistance against high pressure water jetting	(*)	PTV 895-7, Cla use 3.4.21		Pass	-	-
REQUIREMENTS FOR JOINT ASSEMBLIES		ACCORDING	UNIT	VALUE	MIN	MAX
Watertightness of joint assemblies	(*)	PTV 895-7, Cla use 3.5.2		-	-	-
Under deflection			mm	See drawing	-	-
Under shear load				Pass	-	-
Increased watertightness of jointed pipes at 1 bar		PTV 895-7, Cla use 3.5.3		Pass	-	-
Chemical and physical resistance to effluent	(*)	PTV 895-7, Cla use 3.5.4	Class	СН	-	-
Thermal cycling stability	(*)	PTV 895-7, Cla use 3.5.5		Pass	-	-
Long-term cycling stability	(*)	PTV 895-7, Cla use 3.5.6		Pass	-	-
Airtightness of jointed pipes		PTV 895-7, Cla use 3.5.7		Pass	-	-

<sup>(\*)</sup> 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**

## **QUICK CODE 0015/0009**



### TECHNICAL DATA SHEET

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#### **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: René van Veldhoven

**Date:** 1/04/2025

**COPRO** 

Name: Koen Van Daele Date: 1/04/2025

Signature:

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