

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS



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TECHNICAL DATA SHEET									
QUICK CODE	VERSION	VALIDITY							
0001/0002	6.0 - 22/01/2024	CERTIFIED							
CERTIFICATE HOLDER	PRODUCTION UNIT	CERTIFICATE NUMBER							
STEINZEUG-KERAMO 'WERK 2' Paalsteenstraat 36 BE-3500 Hasselt +32 11 21 02 32 info@steinzeug-keramo.com	STEINZEUG-KERAMO 'WERK 2' Paalsteenstraat 36 BE-3500 Hasselt +32 11 21 02 32 info@steinzeug-keramo.com	BENOR 001/95 Vitrified clay pipe systems							

PRODUCT						
OFFICIAL NAME	COMMERCIAL NAME					
PIPES, FITTINGS AND JOINTS	VITRIFIED CLAY T-PIPES					
CAPTION ON THE PRODUCT						
BENOR Production date Production unit EN 295-1 PTV 895-1 Nominal size (DN) Joint system Crushing strength FN in kN/m Angle						
APPLICATION						
CCT Qualiroutes (2017) SB 250 - versie 4.1 CCT Qualiroutes (2021) SB 250 - versie 4.1 + errata	EN 295-1 (2013) g to the crossed-out reference documents or does not					

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

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

Drains and sewers.

Use:

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- * 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

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 should be marked with reference to PTV 895-1.
- * The KeraMat Lubricant shall be used for all vitrified clay joint systems.
- * The conformity of the rubber components according to PTV 895-1 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 REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Water absortion		PTV 895-1, Cla use 3.4.2	%	-	-	6
Appearance		PTV 895-1, Cla use 3.4.3		Glazed	-	-
DIMENSIONAL REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Internal diameter	(*)	PTV 895-1, Cla use 3.4.4	mm	See drawing	-	-
Length	(*)	PTV 895-1, Cla use 3.4.5	m	See drawing	-	-
Squareness of ends	(*)	PTV 895-1, Cla use 3.4.6	mm	See drawing	-	-
Deviation from straightness	(*)	PTV 895-1, Cla use 3.4.7	mm/m	See drawing	-	-
Branch angle of junctions	(*)	PTV 895-1, Cla use 3.4.10	۰	See drawing	-	-
OTHER REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Bond strength of adhesive for fixing clay parts		PTV 895-1, Cla use 3.4.14		-	-	-
Minimum bending tensile strength of the bond			N/mm²	-	5	-
Watertightness of pipes and junctions	(*)	PTV 895-1, Cla use 3.4.16		Pass	-	-
Chemical resistance	(*)	PTV 895-1, Cla use 3.4.17	%	-	-	0.15
Abrasion resistance		PTV 895-1, Cla use 3.4.19	Class	АН	-	0.25
Airtightness	(*)	PTV 895-1, Cla use 3.4.20		Pass	-	-
Resistance against high pressure water jetting	(*)	PTV 895-1, Cla use 3.4.22		Pass	-	-
REQUIREMENTS FOR JOINT ASSEMBLIES		ACCORDING	UNIT	VALUE	MIN	MAX

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Watertightness of joint assemblies (*	PTV 895-1, Cla use 3.5.2		-	-	-
Under deflection		mm	See drawing	-	-
Under shear load			Pass	-	-
Increased watertightness of jointed pipes at 1 bar	PTV 895-1, Cla use 3.5.3		Pass	-	-
Continuity of invert in joint (* assemblies	PTV 895-1, Cla use 3.5.4		See drawing	-	-
Joint interchangeability of pipes and (* fittings	PTV 895-1, Cla use 3.5.5		-	-	-
Jointing system		Class	See drawing	-	-
Chemical and physical resistance to (*effluent	PTV 895-1, Cla use 3.5.6	Class	СН	-	-
Thermal cycling stability of joint (* assemblies	PTV 895-1, Cla use 3.5.7		Pass	-	-
Long-term thermal stability of joint (* assemblies	PTV 895-1, Cla use 3.5.8		Pass	-	-
Airtightness of jointed pipes	PTV 895-1, Cla use 3.5.9		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

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Nomi	inala	Verbindings-	D	N 1	DN 2				Maximale		Haaksheid		Sterkte-	Hoek-
diam		systeem	М	aten	Mate	en	Len	Lengte kromheid Maximum Length deviation from straigthness		uiteinden	Bodemgelijkheid	klasse	verdraaiin	
Nom		Joint system	Dime	ensions	Dimens	ions	Len			Squareness of Continuity of invert in joint assemblies		Strength class	Angular deflection	
Diam		Système d'assemblage	Dime	Dimension Dimensi		Dimension I		Longueur		che imale	Équerrage des extrémités	Continuité du fil d'eau dans les assemblages	Classe de résistance	Déviation angulaire
ПОП	iiiiai	u assembiage	binnenkant buis	binnenkant mof	binnenkant				IIIaxi	lilaie	extremites	uans les assemblages	Tesistance	angulane
DN 1	DN 2		inner pipe intérieur tuyaux d ₁	inner socket intérieur du collet d ₄	inner intérieur d ₁	a max	ı	l ₁	200 cm	250 cm	mm	mm		mm/m
			mm	mm	mm	mm	cm	cm	mm	mm				
	125 150	-		317,5 ± 0,5	126 ± 4 151 ± 5	170	-						160/34	
250	200	-	350 . 6		200 ± 5	180							160/200	
250	125		250 ± 6		126 ± 4	170							240/34	
	150	-		341,5 ± 0,5	151 ± 5									
	200 125	-			200 ± 5 126 ± 4	180	1		8	10	≤ 6		240/200	
	150			371,5 ± 0,5	151 ± 5	170	200						160/34	
300	200]	300 ± 7		200 ± 5	180							160/200	
300	125		300 1 7		126 ± 4	170					≤7	≤ 4	240/34	
-	150 200	-		398,5 ± 0,5	151 ± 5		-							
	125	-			200 ± 5 126 ± 4	180	1			+			240/200	
350	150	1	348 ± 7	433,5 ± 0,5	151 ± 5	170			6				160/34	50
	200]			200 ± 5	180				7,5			160/200	
	125				126 ± 4	170		250					160/34	
	150	-		507,5 ± 0,5 515,5 ± 0,5	151 ± 5		-							
400	200 125	-	398 ± 8		200 ± 5 126 ± 4	180	0				≤8	≤5	160/200	
-	150	CF			151 ± 5	170							200/34	
	200]			200 ± 5	180							200/200	
	125				126 ± 4	170		-					120/34	
-	150	-		605 ± 0,5	151 ± 5		0 -							
500	200 125	-	496 ± 9		200 ± 5 126 ± 4	180			-				120/200	
•	150	1		637 ± 0,5	151 ± 5	170							160/34	
	200]			200 ± 5	180							160/200	
	125				126 ± 4	170							95/34	
	150	-		720 ± 0,5	151 ± 5									
600	200 125	-	597 ± 12		200 ± 5 126 ± 4	180							95/200	-
İ	150			758 ± 0,5	151 ± 5	170					160/34			
	200				200 ± 5	180				≤ 12	≤ 6	160/200	30	
700	125	-	505 : 44	074 - 0.5	126 ± 4	170							120/34	
700	150 200	-	696 ± 14	871 ± 0.5	151 ± 5 200 ± 5	180							120/200	
	125	1			126 ± 4		200	-	6	-	-			
800	150]	796 ± 16	976 ± 0.5	151 ± 5	170	0						120/34	
	200			ing system CF / T-T	200 ± 5	180	L	TO CE					120/200	
DN		and in grant of the state of th	CF / T-Pipes joint	ing system CF / T-T	uyaux system		e	# m # T T T T T T T T T			P _p		- q - q	
				I,				P	+		D D D	_	-p-	

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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 (2.0), 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: 22/01/2024

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Name: Koen Van Daele Date: 22/01/2024

Signature:

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