QUICK CODE 0001/0001

COPRO

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS

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BENOR

		VERSION		VALIDITY					
0001/000	1	5.0 - 22/01	/2024	CERTIFIED					
CERTIFICATE H	IOLDER	PRODUCTION UN	ЛТ	CERTIFICATE NUMBER					
STEINZEUG-KE Paalsteenstraa BE-3500 Hasse +32 11 21 02 3 info@steinzeu	lt 2	STEINZEUG-KER/ Paalsteenstraat BE-3500 Hasselt +32 11 21 02 32 info@steinzeug-	36	BENOR 001/95 Vitrified clay pipe systems					
PRODUCT									
OFFICIAL NAMI	E		COMMERCIAL NAM	E					
PIPES, F	TTINGS AND 、	JOINTS	VITRIFIED CLAY SOCKETED PIPES AND GA, GZ						
CAPTION ON T	HE PRODUCT		1						
	t	f applicable)							
APPLICATION									
	 CCT/TB 2015 CCT Qualirout SB 250 - versie CCT Qualirout SB 250 - versie SB 250 - versie This product was n 	es (2017) 2 4.1 es (2021) 2 4.1 + errata	PTV 895-1 (3.0) ng to the crossed-out	EN 295-1 (2013) t reference documents or does not					
	comply with them.								

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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.

Contact at			
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PRODUCT CHARACTERISTICS	_					
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	-	-
OTHER REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Crushing strength	(*)	PTV 895-1, Cla use 3.4.11	kN/m	See drawing	-	-
Bending tensile strength		PTV 895-1, Cla use 3.4.12	N/mm²	-	18	-
Bending moment resistance (*)		PTV 895-1, Cla use 3.4.13	kNm See drawing		-	-
Fatigue strength under cyclic load		PTV 895-1, Cla use 3.4.15		Pass	-	-
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
Hydraulic roughness		PTV 895-1, Cla use 3.4.18		Pass	-	-
Abrasion resistance		PTV 895-1, Cla use 3.4.19	Class	АН	-	0.25
Airtightness	(*)	PTV 895-1, Cla use 3.4.20		Pass	-	-

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Resistance against high pressure (* water jetting) PTV 895-1, Cla use 3.4.22		Pass	-	-
REQUIREMENTS FOR JOINT ASSEMBLIES	ACCORDING	UNIT	VALUE	MIN	MAX
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	-	-

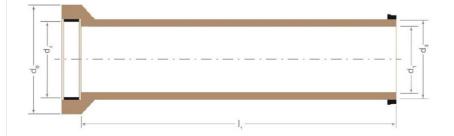
(*) These product characteristics are a statement by the producer taken from its declaration of performance. The certificate holder declares that the values listed are in accordance with its declaration of performance.

TECHNICAL DRAWING

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Nominale diameter	Verbindings- systeem	Ma	aten	L	Lengte		Maximale kromheid		Haaksheid uiteinden		Bodemgelijkheid	Kruindruk- weerstand	Sterkte- klasse	Weerstand bij buigmoment	Hoek- verdraaiing	
Nominal size	Joint system	Dime	nsions	Length		Maximum deviation from straigthness		Squareness of ends		Continuity of invert in joint assemblies	Crushing strength	Strength class	Bending moment resistance	Angular deflection		
Diamètre nomimal	Système d'assemblage	Dime	ension	Longueur		Flèche maximale		Équerrage des extrémités		Continuité du fil d'eau dans les assemblages	Résistance à l'écrasement		Résistance au moment de flexion	Déviation angulaire		
		binnenkant buis	binnenkant mof		I_1		Bu	uis								
		inner pipe	inner socket	Bu	is	GA	Pi	pe	GA	Buis	GA		FN			
DN		intérieur tuyaux	intérieur du collet	Pi	pe	GZ	Tuy	aux	GZ	Pipe	GZ	mm			kNm	mm/m
		d 1	d ₄	Tuy	aux		200 cm	250 cm		Tuyaux						
		mm	mm	cm	cm	cm	mm	mm	mm	mm	mm		kN/m			
200		200 ± 5	260 ± 0,5		-		0 8	10					40	200	≥ 12	100
		20020	275 ± 0,5								≤ 6		48	240	≥ 14	
250		250 ± 6	317,5 ± 0,5	200		60			2,4	< 6			40	160	- 1	
	-		341,5 ± 0,5							10	≤ 4	60	240	_		
300			371,5 ± 0,5									48	160			
	-		398,5 ± 0,5										72	240		
350	-	348 ± 7	433,5 ± 0,5		250					≤ 7		-	56	160		50
400	С	398 ± 8	507,5 ± 0,5							≤8	3	80	64		_	
	-		515,5 ± 0,5											200	-	
500	500	496 ± 9	605 ± 0,5	-			5	7,5		≤1	≤ 10	≤ 5	60	120	-	
			637 ± 0,5			75			2,25				80	160	-	
600		597 ± 12	720 ± 0,5			-				≤ 1	2	≤ 6	57	95		
	-		758 ± 0,5									96	160	4	30	
700		696 ± 14	871 ± 0,5	200	-		6	-		≤1	-	≤ 7	112	120		
800		796 ± 16	976 ± 0,5							≤ 1	6	≤ 8	96			

Buis verbindingssysteem C / Pipe jointing system C / Tuyaux système d'assemblage C



GA verbindingssysteem C / GA jointing system C / GA système d'assemblage C GZ verbindingssysteem C / GZ jointing system C / GZ système d'assemblage C

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 VeldhovenDate:22/01/2024

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



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