QUICK CODE 0015/0003

COPRO

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS

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BENOR

		VERSION		VALIDITY			
0015/0003	•	6.0 - 22/01/2	024	CERTIFIED			
CERTIFICATE H	OLDER	PRODUCTION UNIT		CERTIFICATE NUMBER			
STEINZEUG-KER Europaallee 63 D-50226 Freche +49 22 34 50 70 info@steinzeug	AMO n - <u>keramo.com</u>	STEINZEUG-KERAM Verlängerte Torgau D-06905 Bad Schm +49 34 92 57 50 info@steinzeug-ker	O 'WERK 1' uerstrasse 1 iedeberg ramo.com	BENOR 015/95 Vitrified clay pipe systems			
PRODUCT							
OFFICIAL NAME			COMMERCIAL NAME				
PIPES, FI	TTINGS AND J	OINTS	VITRIFIED CL	AY JUNCTIONS			
CAPTION ON TH	IE PRODUCT		1				
BENOR Production date Production unit EN 295-1 PTV 895-1 Nominal size (D Joint system Crushing streng Angle	? N) th FN in kN/m						
APPLICATION							
 CCT/TB 2015 PTV 895-1 (3.0) EN 295-1 (2013) 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. 							
	 CCT Qualiroute SB 250 - versie CCT Qualiroute SB 250 - versie SB 250 - versie This product was no comply with them. 	s (2017) 4.1 s (2021) 4.1 + errata t checked according	g to the crossed-out re	eference documents or does not			

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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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* Certificate holder:	René van Veldhoven	+32 11 21 02 32	R.vanVeldhoven@steinzeug-keramo.com

PRODUCT CHARACTERISTICS ACCORDING UNIT VALUE MIN MAX **GENERAL REQUIREMENTS** Water absortion PTV 895-1, Cla % 6 use 3.4.2 PTV 895-1, Cla Glazed Appearance _ use 3.4.3 VALUE DIMENSIONAL REQUIREMENTS UNIT ACCORDING MIN MAX Internal diameter PTV 895-1, Cla mm See drawing (*) use 3.4.4 Length (*) PTV 895-1, Cla m See drawing _ use 3.4.5 (*) PTV 895-1, Cla Squareness of ends mm See drawing use 3.4.6 PTV 895-1, Cla Branch angle of junctions (*) See drawing use 3.4.10 VALUE OTHER REQUIREMENTS ACCORDING UNIT MIN MAX PTV 895-1, Cla Watertightness of pipes and junctions (*) Pass use 3.4.16 Chemical resistance PTV 895-1, Cla % 0.15 (*) use 3.4.17 Abrasion resistance PTV 895-1. Cla Class AH/AN 0.25 use 3.4.19 PTV 895-1, Cla Pass Airtightness (*) use 3.4.20 Resistance against high pressure (*) PTV 895-1, Cla Pass water jetting use 3.4.22 **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

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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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Nom	ninale neter	Verbindings-	DN 1 Maten				DN 2 Hoek van aftakking en maten			Lengte	Haaksheid	Bodemgelijkheid	Sterkte-	Hoek-	
Nor	ninal 70	Joint system			Branch angle of junctions and dimensions			Length	Squareness of ends	Continuity of invert	Strength	Angular			
Dian	nètre nimal	Système d'assemblage			Angle des branchements et dimension			Longueur	Équerrage des	Continuité du fil d'eau dans les	Classe de	Déviation			
DN 1	DN 2	a assemblage	binnenkant buis inner pipe intérieur tuyaux d ₁	buitenkant buis outer pipe extérieur tuyaux d ₃	e min	binnenkant mof inner socket intérieur du collet d4	binnenkant buis inner pipe intérieur tuyaux d ₁	a r 45° ± 5°	nax 90°±5°	binnenkant mof inner socket intérieur du collet d4	I1	extrémités mm	assemblages mm		mm/m
100	100		mm	mm	mm	mm	mm	mm	mm	mm	cm				
100	100		100 ± 4	131 ± 1.5	70	_	100 ± 4 100 ± 4	240	-		40		-	34/34	
125	125		151±5 186±	135 1 2			126 ± 4	260	160			-			
150	125 150	FF		186 ± 2	75	-	126 ± 4 151 ± 5	260 270	- 160		46				
	100						100 ± 4	250	-		50]		200/24	
	125						126 ± 4 151 ± 5	300	- 170		50			200/34	400
200	200			242 ± 3			200 ± 5	350	180		60	1		200/200	100
	100	CF					100 ± 4	250	-		50			200/34	
	150		200 ± 5			260 ± 0,5	151 ± 5	305	170		50		200/5	200/01	
	200	CC					200 ± 5	350	180	260 ± 0,5	60	1		200/200	
	125	CF					126 ± 4	300	170	-	50			240/34	
200	200					275 ± 0,5	200 ± 5	365	190		60			240/200	
	200	CC					200 ± 5	550	180	260 ± 0,5	00	20		240/200	
250	125	CF				3175+05	151 ± 5	300	170	-	50			160/34	
250	200					317,5 ± 0,5	200 ± 5	350	180	260 ± 0.5	60]		160/200	
	125		250 ± 6		OF		126 ± 4	200	170	200 ± 0,5	50	1		240/24	
250	150	CF			65	341,5 ± 0,5	151 ± 5	300	170	-	50	-		240/54	
	200	СС					200 ± 5 200 ± 5	350	180	260 ± 0,5	60		≤ 4	240/200	
	125					371,5 ± 0,5 398,5 ± 0,5 433,5 ± 0,5	126 ± 4	300	170	-	50			160/34	
300	150 200	CF					151 ± 5 200 ± 5			-		-		160/200	
	200	СС	300 + 7	-			200 ± 5	350	200	260 ± 0,5	60	≤7			
	125	CE	50017				126 ± 4	300	170		50			240/34	50
300	200	CI					200 ± 5	250	200	-	60			240/200	
	200	CC					200 ± 5	350	200	260 ± 0,5	00			240/200	
350	200		348 ± 7	1			151±5 200±5	-	95					160/34	
	150		398 ± 8 496 ± 9		507.5 ± 0.5	151 ± 5		85			≤ 8		160/34		
400	200				001/0 = 0/0	200 ± 5		95 85					160/200		
	200					515,5 ± 0,5	200 ± 5		95					200/200	
	150	CF				605 ± 0,5	151 ± 5	-	85		75			120/34	
500	150						200±5 151±5		95 85			≤ 10	≤ 5	160/34	
	200				95	637±0,5	200 ± 5		95					160/200	
	150 200					720 ± 0,5	151 ± 5 200 + 5	-	85					95/34	
600	150		597 ± 12			758 + 0.5	151 ± 5		85			≤ 12	≤ 6	160/34	30
Aftak	200	a vorbindingaav	stoom E / Junstion	a jointing system	E / Bra	nehomonte svetòm	200 ± 5		95					160/200	
Aftakkingen verbindingssysteem C / Junctions jointing system C / Branchements système d'assemblage C															

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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:
 Ref

 Date:
 22/

René van Veldhoven 22/01/2024

COPRO

Name: Date: Signature:

Koen Van Daele 22/01/2024 a les

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