QUICK CODE 0001/0006

COPRO

technical sheet

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS

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BENOR



PRODUCT

OFFICIAL NAME

COMPONENTS OF MANHOLES AND INSPECTION CHAMBERS

COMMERCIAL NAME

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VITRIFIED CLAY MANHOLES
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CAPTION ON THE PRODUCT

BENOR

Production date Production unit EN 295-6 PTV 895-6 Nominal size (DN...) of manhole or inspection chamber Nominal size (DN...) of pipeline connection components Joint system of manhole and inspection chamber sections Joint system of pipeline connections with their crushing strength or class number Crushing strength of manhole and inspection chamber components FN in kN/m Design depth (if greater than 5m)

APPLICATION

EXPLANATIONS (THIS DOES NOT COME UNDER SUPE	RVISION IN THE CONTEXT O	F BENOR CERTIFICATION)
Use:	Drains and sewers.		
	This product was not checked acco comply with them.	rding to the crossed-out refe	erence documents or does not
	SB 250 - versie 4.1 + errata		
	CCT Qualiroutes (2021)		
	SB 250 - versie 4.1		
	CCT Qualiroutes (2017)		
	💟 ССТ/ТВ 2015 🛛 🗸	PTV 895-6 (3.0)	EN 295-6 (2013)

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

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MIN

MAX

6

- * 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 895-6.
- * Prefabricated synthetic liners should be marked with reference to PTV 8450-1.
- * Prefabricated concrete elements should be marked with reference to PTV 21-101.
- * The KeraMat Lubricant shall be used for all vitrified clay joint systems.

* The conformity of the rubber components according to PTV 895-6 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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PRODUCT CHARACTERISTICS			
GENERAL REQUIREMENTS	ACCORDING	UNIT	VALUE
Water absorption	PTV 895-6, Cla use 3.4.2	%	-
Appearance	PTV 895-6, Cla		Glazed

Appearance		PTV 895-6, Cla use 3.4.3		Glazed	-	-
DIMENSIONAL REQUIREMENTS	ACCORDING	UNIT	VALUE	MIN	MAX	
Internal diameter	(*)	PTV 895-6, Cla use 3.4.4	mm	See drawing	-	-
Height (*)		PTV 895-6, Cla use 3.4.5	mm	See drawing	-	-
Angle of curvature and radius of channel bends	(*)	PTV 895-6, Cla use 3.4.6	0	See drawing	-	-
Branch angle of channel junctions	(*)	PTV 895-6, Cla use 3.4.7	٥	See drawing	-	-
OTHER REQUIREMENTS		ACCORDING	UNIT	VALUE	MIN	MAX
Crushing strength	(*)	PTV 895-6, cla use 3.4.8	kN/m	See drawing	-	-
Bending tensile strength		PTV 895-6, Cla use 3.4.9	N/mm ²	-	18	-
Bond strength of adhesive for fixing clay parts	PTV 895-6, Cla use 3.4.10		-	-	-	
Minimum bending tensile strength of the bond			N/mm ²	-	5	-
Minimum strength after immersion			N/mm ²	-	5	-
Fatigue strength under cyclic load		PTV 895-6, Cla use 3.4.11		Pass	-	-
Chemical resistance	(*)	PTV 895-6, Cla use 3.4.12	%	-	-	0.15
REQUIREMENTS FOR ASSEMBLED COMPONENTS		ACCORDING	UNIT	VALUE	MIN	MAX

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Watertightness of assembled (*) components	PTV 895-6, Cla use 3.5.2		Pass	-	-
Pull-off resistance of the synthetic liner	PTV 895-6, Cla use 3.5.3	MPa	-	0,4	-
Pull-off resistance after 1 year synthetic liner	PTV 895-6, Cla use 3.5.4	MPa	-	0,4	-

(*) 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

Nominale diameter	Verbindings- systeem	Mate	n put	Kruindruk- weerstand	Sterkte- klasse		Maten aansle	uitingen	Verbindings- systeem	Sterkte- klasse	Krommingshoek en radius van bochten in het stroomprofiel	Hoek van aftakkingen in het stroomprofiel	Hoogte
Nominal size	Joint system	Dimensior	ns manhole	Crushing strength	Strength class		Dimensions connections		Joint system		Angle of curvature and radius of channel bends	Branch angles of channel junctions	Height
Diamètre nomimal	Système d'assemblage	Dimensi	on regard	Résistance à l'écrasement	Classe de résistance		Dimension racco	ordements	Système d'assemblage	Classe de résistance	Rayon de courbure des demi-sections de pièce coudée	Angle des demi- sections de pièce en branchement	Hauteur
DN		binnenkant buis inner pipe intérieur tuyaux	binnenkant mof inner socket intérieur du collet	FN		DN	binnenkant buis binnenkant mof inner pipe inner socket DN intérieur tuyaux intérieur du collet				Specificatie klant Customer specification		
		d 1	d ₄				d 1	d ₄			Spéc	ification du client	
		mm	mm	kN/m		100	mm 100 + 4	mm		34	•	•	mm
						125	126 ± 4	_	F	34			
300	С	300 ± 7	371,5 ± 0,5	48	160	150	151 ± 5			34			
						200	200 ± 5 200 ± 5	260 ± 0,5	с	200			
						100	100 ± 4	,		34	± 3°	± 3°	
400	c	208 / 8	507 E + 0 E	64	160	125	126 ± 4	-	F	34			
400	C	390 ± 0	307,3 ± 0,3	04	100	200	200 ± 5			200			
						200	200 ± 5	260 ± 0,5	С	200			
						100	100 ± 4			34			
						125	126 ± 4 151 ± 5	· · · - · ·	F	34			
600	С	597 ± 12	720 ± 0,5	57	95	200 N	200 ± 5			200			
						200 N	200 ± 5	260 ± 0,5	C	200			
						250 H	250 ± 5	275±0,5 317,5±0,5	C C	160			De grootste
					120	100	100 ± 4			34			waarde van
						125	126 ± 4	-	F	34			1%/+4%
				96		200 N	151±5 200±5			200	± 1°	±1°	of ± 10 mm. The biggest value of - 1 % / + 4 % or
						200 N	200 ± 5	260 ± 0,5		200			
		796 ± 16 976 ±				200 H	200 ± 5	275 ± 0,5	240 160 240 160 C 240	240			
800	с		976 ± 0,5			250 N	250 ± 6	317,5 ± 0,5 341.5 ± 0.5				± 10 mm. De	
	Č –					300 N	300 ± 7	371,5 ± 0,5			waarde van -		
						300 H	300 ± 7	398,5 ± 0,5				1%/+4%	
						400 N	348 ± 7 398 ± 8	433,5 ± 0,5 507.5 ± 0.5		160			La plus grande
						400 H	398 ± 8	515,5 ± 0,5		200		± 3° v	
						500 N	496 ± 9	605 ± 0,5		120	± 3°		valeur of-
						100 H	496±9 100+4	637±0,5		34			1%/+ 4 % OU + 10 mm.
						125	126 ± 4		E	34			
						150	151 ± 5	-	F	34			
						200 N	200 ± 5 200 + 5	260 + 0.5		200			
						200 H	200 ± 5	275 ± 0,5		240			
						250 N	250 ± 6	317,5 ± 0,5		160			
1000	с	1000 ± 25	1204.2 ± 0.5	100	95	250 H 300 N	250 ± 6 300 ± 7	341,5 ± 0,5 371.5 ± 0.5		240 160		±1	
						300 H	300 ± 7	398,5 ± 0,5	C 160	240			
						350 N	348 ± 7	433,5 ± 0,5		160			
						400 N 400 H	398±8 398+8	507,5±0,5 5155±05		200			
						500 N	496 ± 9	605 ± 0,5		120			
						500 H	496 ± 9	637 ± 0,5		160			-
						600 N	597 ± 12 597 + 12	720 ± 0,5 758 ± 0.5		95 160	± 3°	± 3°	
Put verbind	dingssysteem C	/ Manhole jointin	ig system C / Regz	ard système d'a	assemblage	600 H	597±12	758 ± 0,5		160			<u> </u>

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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:ReiDate:22/

René van Veldhoven 22/01/2024

COPRO

Name: Date: Signature:

Koen Van Daele 22/01/2024 a les

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