technical sheet

CERTIFICATION OF

VITRIFIED CLAY PIPE SYSTEMS

BENOR

This technical data sheet was printed on 29/04/2024.
The validity of this technical data sheet can be checked on
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TECHNICAL DATA SHEET

QUICK CODE	VERSION	VALIDITY
0001/0010	**3.0 - 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
SEALING RINGS FOR CUT PIPES	**KERAMAT - P-RINGS**

CAPTION ON THE PRODUCT

* BENOR + PTV 895-4
* Nominal size
* Rubber type
* Manufacturer's identification
* Type of application (WC)
* Hardness class
* Production date or production period

APPLICATION

- [x] CCT/TB 2015
- [x] SB 250 - versie 4.1
- [x] CCT Qualiroutes (2021)
- [x] SB 250 - versie 4.1 + errata
- [ ] ~~PTV 895-4 (2.0)~~
- [x] PTV 895-4 (3.0)
- [x] EN 295-4 (2013)

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)

* Is there a delivery note for each delivery?
* Is there reference to the technical data sheet on the delivery document?
* Does the product meet the requirements from the tender?

FORM OF DELIVERY

Individual pieces

EXTRA INFORMATION

The Keramat Lubricant shall be used.

The conformity of the rubber components according to PTV 895-4 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	VOLGENS	EENHEID	VALUE	MIN	MAX
Appearance			Pass	-	-
REQUIREMENTS FOR JOINT ASSEMBLIES	**VOLGENS**	**EENHEID**	**VALUE**	**MIN**	**MAX**
Watertightness under angular deflection	PTV 895-4, Clause 3.5.3		See drawing	-	-
Watertightness under shear load	PTV 895-4, Clause 3.5.4		Pass	-	-
Chemical and physical resistance to effluent	PTV 895-4, Clause 3.5.5		CH	-	-
Thermal cycling stability	PTV 895-4, Clause 3.5.6		Pass	-	-
Long-term thermal stability	PTV 895-4, Clause 3.5.7		Pass	-	-
Increased watertightness at 1 bar	PTV 895-4, Clause 3.5.8		Pass	-	-
DIMENSIONAL REQUIREMENTS	**VOLGENS**	**EENHEID**	**VALUE**	**MIN**	**MAX**
Individual dimensional details			See drawing	-	-
Dimensional tolerances	ISO 3302-1		M3	-	-
REQUIREMENTS FOR THE VULCANIZED RUBBER	**VOLGENS**	**EENHEID**	**VALUE**	**MIN**	**MAX**
All characteristics	PTV 832-1		Conforming	-	-

TECHNICAL DRAWING

COPRO Quick-code van het certificaat: 0001/0010

Nominale diameter	Sterkteklasse	Verbindings-systeem	Maten				Hoek-verdraaiing
Nominal size	Strength class	Joint system	Dimensions				Angular deflection
Diamètre nomimal	Classe de résistance	Système d'assemblage	Dimension				Déviation angulaire
DN			inwendig diameter internal diameter diamètre intérieur mm	breedte dichtvlak width of sealing surface largeur de la surface d'étanchéité mm	uitwendig diameter external diameter diamètre extérieur mm	hoogte heigth hauteur mm	mm/m
200	200	C	235,5 ± 1,5	21 ± 0,5	-	35 ± 1	100
	240		245,0 ± 1,5	27,5 ± 0,5	-	33 ± 1	
250	160		-	12 ± 0,5	318 ± 1,5	32,5 ± 1	50
	240			20,5 ± 0,5	352 ± 1,5	30,5 ± 1	
300	160			12,2 ± 0,5	372,4 ± 1,5	32,5 ± 1	
	240			23 ± 0,5	411,5 ± 1,5	35,5 ± 1	
400	160		479,0 ± 1,5	28,5 ± 0,5	-	34 ± 1	
	200		-	22 ± 0,5	528 ± 1,5	31,5 ± 1	
500	120			17 ± 0,5	607 ± 1,5	31 ± 1	
	160			26,5 ± 0,5	650,5 ± 1,5	32 ± 1	
600	95			26 ± 0,5	733 ± 1,5	31 ± 1	30
	160			29,5 ± 0,5	771 ± 1,5	35 ± 1	

Dichtring (P-Ring) verbindingssysteem C / Sealing ring (P-Ring) jointing system C
Bague d'étanchéité (P-Ring) 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 Veldhoven
Date: 22/01/2024

COPRO

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

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Zellik