

Quality Association of the Vitrified Clay Pipe Industry

Testing, supervising and certificating authority

Steinzeug Abwassersysteme GmbH
Werk STG-1
Verlängerte Torgauer Straße
D - 06905 Bad Schmiedeberg

Notified body for the certification of

- Vitrified clay pipes and fittings
- Seals and sealing materials for drainage applications
- Sanitary components
- Toilets



Cologne, 6-5-2004

Test report

Nr. 18855

Subject	Third party control
Ordered by	Quality Association of the Vitrified Clay Pipe Industry
Order	Testing of pipes
Manufacturer	Steinzeug Abwassersysteme GmbH Werk STG-1
Order Nr.	GR2 - 27/04
Sampling date	16-3-2004
Sample entry date	24-3-2004
Samples	4 Pipes EN295-1 - DN 200 - FN 40 - 9.0 - F Pipe length 2500 mm
Evaluation	The requirements of EN 295-1, WN 295 and the quality and testing rules for vitrified clay pipes are fulfilled. The routine testing has been performed completely. The results can be found in the monthly evaluation sheets.

The quality committee

This test report contains an annex of 1 page and shall not be used abridged.

Quality Association of the vitrified clay pipe industry

Annex page 1 of test report nr. **18855** dated 6-5-2004
 Samples : 4 Pipes EN295-1 - DN 200 - FN 40 - 9.0 - F

Sample Nr.		102		103		104		Requirement	Unit	Acc. To	
Marking	EN 295-1	+	+	+	+	+	+	present	-	EN 295 - 1	
	Third party identification	+	+	+	+	+	+	present	-	EN 295 - 1	
	Manufacturer designation	+	+	+	+	+	+	present	-	EN 295 - 1	
	Production date	01-03-04	01-03-04	01-03-04	01-03-04	01-03-04	01-03-04	present	-	EN 295 - 1	
	Nominal size (DN)	+	+	+	+	+	+	present	-	EN 295 - 1	
	Crushing strength (FN)	+	+	+	+	+	+	present	-	EN 295 - 1	
	Bending moment resistance	+	+	+	+	+	+	present	-	EN 295 - 1	
	Jointing system	+	+	+	+	+	+	present	-	EN 295 - 1	
	Jointing date	01-03-04	01-03-04	01-03-04	01-03-04	01-03-04	01-03-04	present	-	GUP	
	Quality mark	+	+	+	+	+	+	present	-	GUP	
Appearance	+	+	+	+	+	+	+	impeccable	-	EN 295 - 1	
Glaze colour	+	+	+	+	+	+	+	RAL 8007, 8011	-	WN 295 - 1	
		min	max	min	max	min	max	min	max		
Dimensions	l ₁ Length (mean value)	2527		2525		2525		2475	2600	mm	EN 295 - 1
	Squareness of ends : spigot end	1	1	1	1	1	1	max	6	mm	EN 295 - 1
	Squareness of ends : socket end	1	1	1	1	1	1	max	6	mm	EN 295 - 1
	d ₁ Internal diameter	199,0	199,0	198,0	199,0	198,0	199,0	195	205,0	mm	WN 295 - 2
	s ₁ Wall thickness	22,5	23,0	22,5	23,0	22,5	23,0	19,0	23,0	mm	H.A.
	d ₃ External diameter at spigot end	245,0	245,0	245,0	245,0	245,0	245,0	237	247,0	mm	WN 295 - 2
	d ₃ External diameter at spigot end	245,0	245,0	245,0	245,0	245,0	245,0	239	245,0	mm	EN 295 - 1 ¹⁾
	m ₁ Socket depth	71	71	71	71	71	71	max	85	mm	WN 295 - 2
	d ₆ External diameter of socket	300	300	300	300	300	300	max	340	mm	WN 295 - 2
	f Deviation from straightness	1,0	1,0	1,0	1,0	1,0	1,0	max	4,0	mm/m	WN 295 - 1
Watertightness	tight	tight	tight	tight	tight	tight	tight	tight		EN 295 - 1	
W ₁₅ Water addition	0,006	0,006	0,005	0,005	0,008	0,008	max	0,04	l/m ² /15'	WN 295 - 1	
F _B Strength	133,6	133,6	120,9	120,9	139,9	139,9	139,9	139,9	139,9	kN	
F _N Crushing strength	52,9	52,9	47,9	47,9	55,4	55,4	min	32	kN/m	EN 295 - 1	

1) By measurement of circumference

H.A.: Manufacturer's declaration

Underlined values do not meet the requirement



Testing institute