

Auditing Test Report

Date 21/07/2024

Test Report No. 258816/3

Client

Saudi Vitrified Clay Pipe Co.
P.O. Box 6415
Riyadh 11442
Kingdom of Saudi Arabia

Sampling Date: 17/07/2024

Test Date: 18/07/2024

Auditing Purpose:

Testing of Vitrified Clay Fittings according to EN 295-1:2013

Size Description:

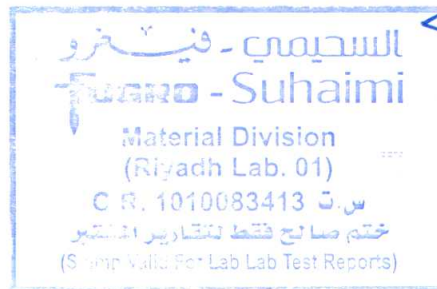
Nominal Size: T- Junctions (DN 100mm up to and including DN 700 ES)
Joining System: System F & C

Description of Sampling

Samples were collected randomly from the stock at the client's manufacturing works in Riyadh (Kingdom of Saudi Arabia) by the agent of the Suhaimi - Fugro

Underlying specification /description of the tests

- EN 295-1:2013 "Vitrified clay pipe systems for drains and sewers - Part 1: Requirements for pipes, fittings & joints"
EN 295-2:2013 "Vitrified clay pipe systems for drains and sewers - Part 2: Evaluation of conformity and sampling"
EN 295-3:2012 "Vitrified clay pipe systems for drains and sewers - Part 3: Test Methods"



Test Results of T-junctions

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T-Junction Type	Internal Diameter (mm)		Length (Req. : Nominal length ^{+4%} _{-.1%})		Branch Angle		Water Tightness (L/m ²)		Air Tightness (mm)		Joint Interchangeability (mm)			
	Req.	Actual	Nominal Length	Actual	Req.	Actual	Req.	Actual	Req.	Actual	Req.	Actual		
100 mm / 100 mm	≥ 96	100	450	451	90° ± 5	87	No leak	No leak	0	131 ± 1.5	131.9			
150 mm / 100 mm	≥ 146	150		499		90						5	186 ± 2.0	187.2
200 SS / 100 mm	≥ 195	199		502		91						5	260 ± 0.5	260.3
200 ES / 100 mm		201	501	88		5						275 ± 0.5	275.3	
200 SS / 150 mm		199	505	89		10						260 ± 0.5	260.3	
200 ES / 150 mm	≥ 244	201	505	94		5						275 ± 0.5	275.5	
250 SS / 150 mm		249	503	95		9						317.5 ± 0.5	317.3	
250 ES / 150 mm		250	497	90		11						341.5 ± 0.5	341.5	
300 SS / 150 mm	≥ 293	301	500	92		5						371.5 ± 0.5	371.4	
300 ES / 150 mm		305	504	93		6						398.5 ± 0.5	398.9	
350 ES / 150 mm		≥ 341	345	502		88						2	459 ± 0.5	459.4
400 SS / 150 mm	≥ 390	401	1001	89		5						483.5 ± 0.5	483.4	
400 ES / 150 mm		402	1002	92		8						515.5 ± 0.5	515.7	
450 ES / 150 mm		≥ 439	445	1001		93						11	579 ± 0.5	579.4
500 SS / 150 mm	≥ 487	495	1000	88		14						605 ± 0.5	605.3	
500 ES / 150 mm		505	1005	94		12						637 ± 0.5	637.4	
600 ES / 150 mm		≥ 585	601	1001		95						11	758 ± 0.5	758.1
200 SS / 200 SS	≥ 195	201	600	608		94						10	260 ± 0.5	260.4
250 SS / 200 SS	≥ 244	250		602		92						9	317.5 ± 0.5	317.8
250 ES / 200 SS		249		605		92						8	341.5 ± 0.5	341.4
300 SS / 200 SS		≥ 293		303		604						94	13	371.5 ± 0.5
300 ES / 200 SS	≥ 341	302		610		94						12	398.5 ± 0.5	398.7
350 ES / 200 SS	≥ 390	349		603		95						9	459 ± 0.5	459.3
400 SS / 200 SS	≥ 390	405		999		92						10	483.5 ± 0.5	483.2
400 ES / 200 SS		402		1005		91						17	515.5 ± 0.5	515.4
450 ES / 200 SS		≥ 439		449		1008						90	19	579 ± 0.5
500 SS / 200 SS	≥ 487	501		1004		90						22	605 ± 0.5	605.3
500 ES / 200 SS		502		995		93						21	637 ± 0.5	637.2
600 ES / 200 SS		≥ 585		595		1008						91	21	758 ± 0.5
100 mm / 100 mm	≥ 96	101		450		449						94	10	131 ± 1.5
150 mm / 150 mm	≥ 146	150		500	501	92	16	186 ± 2.0	187.7					
200 SS / 200 SS	≥ 195	199		600	606	95	13	260 ± 0.5	260.4					
200 ES / 200 ES		200	600	604	94	12	275 ± 0.5	275.4						
250 SS / 250 SS		≥ 244	252	650	655	93	8	317.5 ± 0.5	317.6					
250 ES / 250 ES	250		650	654	94	16	341.5 ± 0.5	341.4						
300 SS / 300 SS	≥ 293		303	700	709	95	15	371.5 ± 0.5	371.5					
300 ES / 300 ES	≥ 341	304	800	802	90	9	398.5 ± 0.5	398.7						
350 ES / 350 ES		≥ 390	350	900	901	92	10	459 ± 0.5	459.4					
400 SS / 400 SS		400	1000	1003	93	13	483.5 ± 0.5	483.4						
400 ES / 400 ES	≥ 439	400	1000	1002	95	14	515.5 ± 0.5	515.4						
450 ES / 450 ES		450	1100	1101	90	12	579 ± 0.5	579.3						
500 SS / 500 SS		≥ 487	502	1175	1171	94	19	605 ± 0.5	605.3					
500 ES / 500 ES	≥ 585	505	1200	1205	91	15	637 ± 0.5	637.4						
600 ES / 600 ES		604	1350	1353	94	14	758 ± 0.5	758.3						
700 ES / 700 ES		≥ 682	705	1550	1552	90	4	871 ± 0.5	871.2					

FUGRO - SUHAIMI LTD

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