



FUSION BOND RESICOAT EPOXY TANK

PREFABRICATED BOLTED TECHNOLOGY

ROSTFREI MANUFACTURES TANK AS PER

“ AS- 2304 :: AWWA D 103 :: AS/NZS 1170.2.2002 “

Fusion Bond Resicoat Epoxy tanks are manufactured by fusing epoxy coating to mild steel sheets. FBE (fusion bond epoxy) is an advanced technology coating process followed at our premises, the purpose of fusing epoxy with steel is to enhance the properties of steel for a better life performance. Bare steel is at risk of corrosive environment, hence the epoxy coating increases life of the tank.





INTRODUCTION

Fusion Bond Resicoat Epoxy tanks are manufactured by fusing epoxy coating to mild steel sheets. FBE (fusion bond epoxy) is an advanced technology coating process followed at our premises, the purpose of fusing epoxy with steel is to enhance the properties of steel for a better life performance. Bare steel is at risk of corrosive environment, hence the epoxy coating increases life of the tank. After fusing the epoxy with steel the resistance against atmospheric weathering & corrosion increases and the acceptable bracket of pH Value widens. FBE Tanks can be used to store wide range of liquids like clear water, waste water, organic waste, oil etc.

CHARACTERISTICS/BENEFIT OF ROSTFREI FBE TANKS:

- ✓ FBE tank serves for more than 30 years in neutral atmosphere
- ✓ Suitable for potable water, clear water & sewage water applications
- ✓ Installation process is quick, safe & eco friendly
- ✓ Pre-fabricated design is easily relocatable & extendable, if more capacity is required in future
- ✓ New & better technology globally

PROCESS & TECHNOLOGY

The tank Panels are fused with epoxy coating both inside & outside. The fusion process is carried out in a special furnace having temperature range for pre-heating from 200 to 400 degree Celsius and for post baking from 150 to 250 degree Celsius under controlled environment. The Steel rounded (cylindrical) shell of the tank is built up by overlapping two panels and nut bolting with Special high grade nuts & bolts and constant application of flexible sealant/Liner. The connecting material and shell accessories are equipped by the various surface protection treatment. The Fusion Bond Epoxy tanks can be used to store fluid or loose material. The tanks are also a fundamental building element of environmental technological Facilities such as Waste Water Treatment and Biogas Plants.

HOW TO CHOOSE FBE VS FBEC



FEATURES

TANK TYPE

Sealing of Bolting joints

Suitable for height

Height & Diameter Ratio

Application Areas

Single sheet thickness

Sheet Fusing and Sandwich

Tank Design Codes

Food grade coating
applicable code

SLBC suitability

Foundation type

Price of tank

Foundation Cost

FUSION BOND EPOXY LINER TANK

CORRUGATED SHEETS TANK

Use of Liner

Up to 12 m

01:02

Clear water /
Potable Water /
STP clear water tanks.

0.8mm to 3.0 mm

Above 2.5 mm the sheets
would be sandwiched Eg.
For 4 mm thickness two
sheets of 2 mm would be
sandwiched.

AS-2304:2019 /
AS/NZS 1170.2.2002

As per AS/NZS : 4020:2005 &
WRAS UK Certified

Low Soil Load Bearing Areas

Ring beam with compacted
sand filling

A

B

FUSION BOND EPOXY SEALANT TANK

PLAIN SHEETS TANK

Use of Flexible Sealant

Upto 25 m

01:03

Loose solid Material / Biogas
Digesters / WTP tanks / STP tanks/
Oil / Condensate water tank.

1mm - 12mm

Single sheet is used

AWWA D -103- 09

As per AS/NZS : 4020:2005 &
WRAS UK Certified/NSF 61

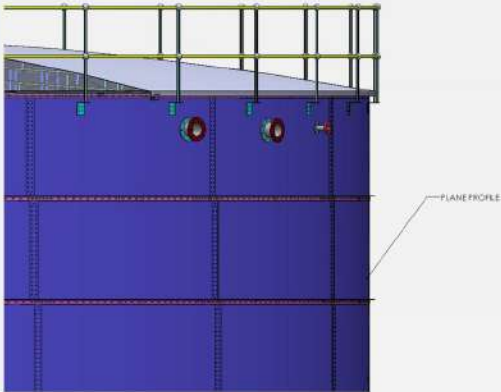
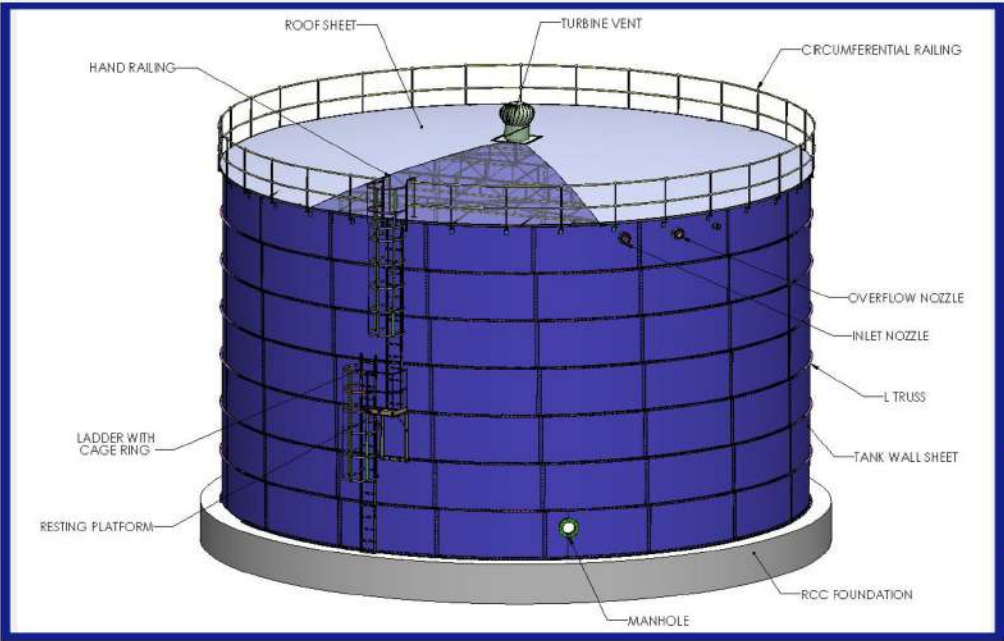
Average Soil Load Bearing Areas.

Full RCC foundation with
water proofing

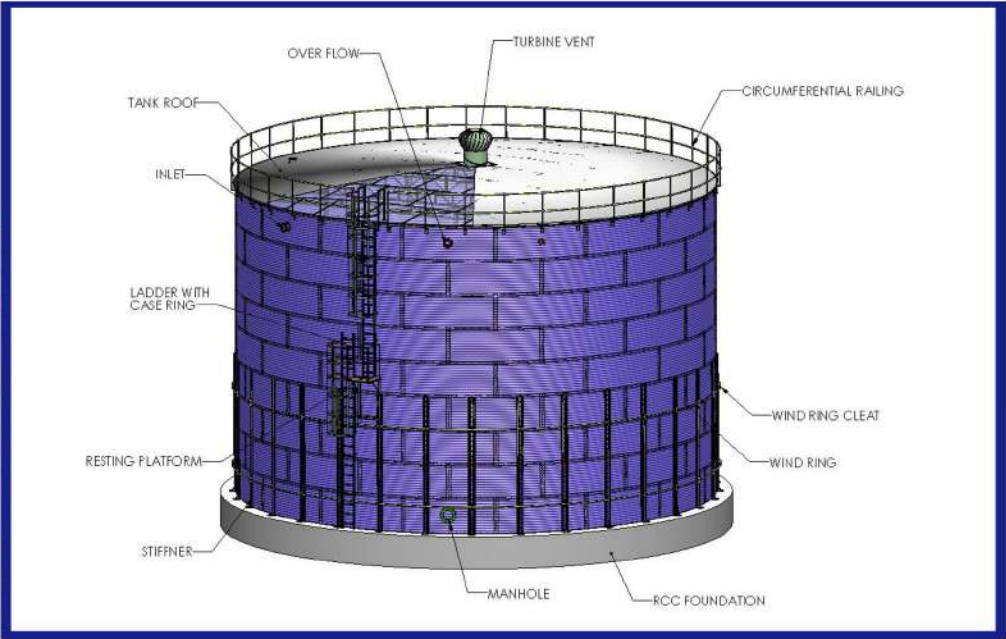
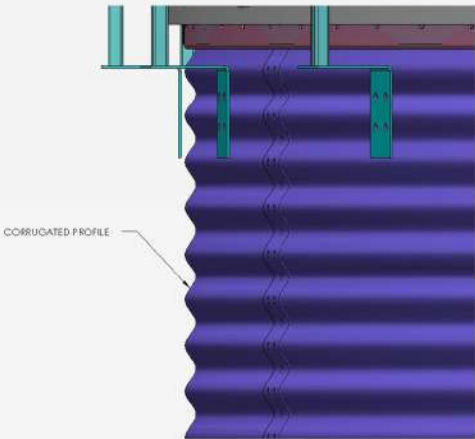
1.20 A-1.30 A

2B

Fusion Bond Epoxy Plain Sealant Tank



Fusion Bond Epoxy Corrugated Liner Tank



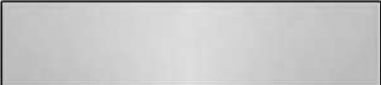
RAL 5013
COBALT BLUE



6009 Fir
GREEN



1013 Pearl
White



RAL 9006
WHITE ALUMINIUM
(METALLIC)

FBEC VS ZA TANK COMPARISON CHART

Established in 2004, within a period of 18+ years from the incorporation, Rostfrei Steels has established itself as Asia's Biggest Manufacturer of Prefabricated Storage Tank of Zincalume Steel Liner tanks, Glass fused to Steel and Fusion Bond Epoxy tanks for various Water Storage Solution, upon the Turnkey Concept of Supply, Installation, Erection, Commissioning of our tanks .

FEATURES	FBEC	ZA
Coating type	Furnace Baked- Fused Epoxy coating (Food grade Chemical coating)	Precoated sheets (Metallic Alloy coating)
Coating Thickness	150-200 micron	25-30 micron
Bolted sidewall panel Protection	Excellent	Good
Edge Protection	Excellent as all edges after cutting gets covered with epoxy during coating .	Poor , as after sheet cutting , edges are covered by surface finishing by zinc spray only.
Corrosion Resistance	Epoxy coating ensures resistance from Corrosion, thus painting free life of approx 20 + yrs .	NIL , client has to paint tanks after 5+ yrs, depending of corrosion atmospheric guidelines
Base Metal	Mild steel - 300- 400 Mpa	Mild Steel - 300 Mpa
Coating Process	Bare sheets cleaning , edge cutting , holes cutting , shot blasting , sheet preheated at 200-400° C and then epoxy coating and post baking at 150-250° C in furnace.	Precoated sheets by Tata / Jindal.
Temperature Tolerance	-20 to +65° C	-20 to +65° C
pH Range for Liner	4 to 11	4 to 11
Ph Range for coated	3 to 12	6 to 8
Salt Spray test qualification	Approx 2500 hrs	Approx 500 hrs
Suitable for Uses	Clear water / STP water	Clear water in neutral environments
Cathodic Protection	Not Required	Required
Maintenance free life of steel in corrosive atmospheres	Approx 15-20yrs	Approx 2-5yrs.

*** These durability years & maintenance requirement are for ideal conditions and it further varies depending upon actual usage and maintenance of tanks ***

FUSION BOND EPOXY CORRUGATED TANK- MODEL CHART

No.Of Rings	Dia → Wall Height ↓	ZA02(4)	ZA02(3)	ZA02(2)	ZA02(1)	ZA02	ZA03(4)	ZA03(3)	ZA03(2)	ZA03(1)	ZA03
		1.34	1.46	1.59	1.72	1.85	2.01	2.20	2.39	2.58	2.77
R1	1.12	1.58	1.88	2.22	2.60	3.01	3.55	4.26	5.02	5.86	6.75
R2	2.10	2.96	3.52	4.17	4.88	5.64	6.66	7.98	9.42	10.98	12.66
R3	3.20	4.51	5.36	6.35	7.44	8.60	10.15	12.16	14.36	16.73	19.28
R4	4.20	5.92	7.03	8.34	9.76	11.29	13.33	15.97	18.84	21.96	25.31
R5	5.30	7.47	8.87	10.52	12.31	14.25	16.82	20.15	23.78	27.71	31.94
R6	6.30	8.88	10.55	12.51	14.64	16.93	19.99	23.95	28.26	32.94	37.97
R7	7.40	10.44	12.39	14.69	17.19	19.89	23.48	28.13	33.20	38.69	44.59
R8	8.40	11.85	14.06	16.68	19.52	22.58	26.65	31.93	37.68	43.91	50.62
R9	9.50	13.40	15.90	18.86	22.07	25.54	30.14	36.11	42.62	49.67	57.25
R10	10.50	14.81	17.58	20.85	24.40	28.22	33.32	39.91	47.11	54.89	63.28

No.Of Rings	Dia → Wall Height ↓	ZA04(4)	ZA04(3)	ZA04(2)	ZA04(1)	ZA04	ZA05(4)	ZA05(3)	ZA05(2)	ZA05(1)	ZA05
		2.68	2.93	3.18	3.44	3.69	3.34	3.66	3.98	4.30	4.62
R1	1.12	6.32	7.55	8.90	10.41	11.98	9.81	11.78	13.93	16.26	18.78
R2	2.10	11.85	14.16	16.68	19.52	22.46	18.40	22.09	26.13	30.50	35.20
R3	3.20	18.05	21.58	25.42	29.74	34.22	28.04	33.67	39.81	46.47	53.64
R4	4.20	23.69	28.32	33.36	39.04	44.92	36.80	44.19	52.25	60.99	70.41
R5	5.30	29.90	35.74	42.09	49.26	56.68	46.44	55.76	65.94	76.97	88.85
R6	6.30	35.54	42.48	50.04	58.55	67.37	55.20	66.28	78.38	91.49	105.61
R7	7.40	41.74	49.89	58.77	68.78	79.14	64.84	77.85	92.06	107.46	124.05
R8	8.40	47.38	56.64	66.71	78.07	89.83	73.60	88.38	104.50	121.98	140.82
R9	9.50	53.59	64.05	75.45	88.29	101.59	83.24	99.95	118.19	137.96	159.26
R10	10.50	59.23	70.80	83.39	97.59	112.29	92.00	110.47	130.63	152.48	176.02

No.Of Rings	Dia → Wall Height ↓	ZA06(4)	ZA06(3)	ZA06(2)	ZA06(1)	ZA06	ZA07(4)	ZA07(3)	ZA07(2)	ZA07(1)	ZA07
		4.01	4.39	4.78	5.16	5.54	4.68	5.13	5.57	6.02	6.46
R1	1.12	14.14	16.95	20.10	23.42	27.00	19.27	23.15	27.29	31.88	36.71
R2	2.10	26.52	31.79	37.68	43.91	50.62	36.12	43.41	51.17	59.77	68.83
R3	3.20	40.41	48.44	57.42	66.92	77.14	55.05	66.14	77.97	91.08	104.88
R4	4.20	53.04	63.57	75.37	87.83	101.24	72.25	86.81	102.34	119.55	137.66
R5	5.30	66.94	80.22	95.11	110.83	127.76	91.17	109.55	129.14	150.85	173.71
R6	6.30	79.56	95.36	113.05	131.74	151.86	108.37	130.22	153.51	179.32	206.49
R7	7.40	93.46	112.01	132.79	154.75	178.38	127.30	152.95	180.32	210.63	242.54
R8	8.40	106.09	127.14	150.74	175.66	202.48	144.501	173.62	204.68	239.09	275.32
R9	9.50	119.98	143.79	170.48	198.66	229.00	163.42	196.36	231.49	270.40	311.37
R10	10.50	132.61	158.93	188.42	219.57	253.101	180.62	217.03	255.85	298.86	344.15

FUSION BOND EPOXY CORRUGATED TANK- MODEL CHART

No.Of Rings	Dia → Wall Height ↓	ZA08(4)	ZA08(3)	ZA08(2)	ZA08(1)	ZA08	ZA09(4)	ZA09(3)	ZA09(2)	ZA09(1)	ZA09
		5.35	5.86	6.37	6.88	7.39	6.02	6.59	7.17	7.74	8.31
R1	1.12	25.18	30.21	35.69	41.64	48.04	31.88	38.20	45.22	52.70	60.74
R2	2.10	47.21	56.64	66.92	78.07	90.07	59.77	71.63	84.79	98.81	113.90
R3	3.20	71.94	86.30	101.98	118.96	137.2	691.08	109.15	129.20	150.56	173.56
R4	4.20	94.42	113.28	133.85	156.14	180.15	119.55	143.26	169.58	197.62	227.79
R5	5.30	119.14	142.94	168.91	197.03	227.33	150.85	180.77	214.00	249.37	287.45
R6	6.30	141.62	169.91	200.77	234.21	270.22	179.32	214.88	254.37	296.42	341.69
R7	7.40	166.35	199.58	235.83	275.10	317.40	210.63	252.40	298.79	348.18	401.35
R8	8.40	188.83	226.55	267.70	312.28	360.29	239.09	286.51	339.16	395.23	455.59
R9	9.50	213.56	256.22	302.76	353.18	407.48	270.40	324.03	383.58	446.99	515.25
R10	10.50	236.04	283.19	334.62	390.35	450.37	298.86	358.14	423.95	494.04	569.48

No.Of Rings	Dia → Wall Height ↓	ZA10(4)	ZA10(3)	ZA10(2)	ZA10(1)	ZA10	ZA11(4)	ZA11(3)	ZA11(2)	ZA11(1)	ZA11
		6.69	7.32	7.96	8.60	9.24	7.36	8.06	8.76	9.46	10.16
R1	1.12	39.37	47.13	55.74	65.06	75.10	47.65	57.14	67.50	78.72	90.80
R2	2.10	73.82	88.38	104.50	121.98	140.82	89.34	107.15	126.57	147.60	170.25
R3	3.20	112.48	134.67	159.25	185.88	214.58	136.14	163.27	192.86	224.92	259.43
R4	4.20	147.64	176.75	209.01	243.97	281.63	178.69	214.29	253.13	295.20	340.51
R5	5.30	186.30	223.04	263.75	307.87	355.39	225.49	270.42	319.43	372.52	429.69
R6	6.30	221.45	265.13	313.51	365.95	422.45	268.03	321.44	379.70	442.81	510.76
R7	7.40	260.12	311.42	368.25	429.85	496.21	314.83	377.56	445.99	520.12	599.94
R8	8.40	295.27	353.50	418.02	487.94	563.27	357.38	428.59	506.26	590.41	681.01
R9	9.50	333.94	399.79	472.76	551.84	637.03	404.17	484.71	572.56	667.72	770.20
R10	10.50	369.09	441.88	522.52	609.92	704.08	446.72	535.73	632.83	738.01	851.27

No.Of Rings	Dia → Wall Height ↓	ZA12(4)	ZA12(3)	ZA12(2)	ZA12(1)	ZA12	ZA13(4)	ZA13(3)	ZA13(2)	ZA13(1)	ZA13
		8.03	8.79	9.55	10.32	11.08	8.69	9.52	10.35	11.18	12.01
R1	1.12	56.72	67.97	80.23	93.68	107.99	66.43	79.72	94.23	109.95	126.88
R2	2.10	106.35	127.43	150.42	175.66	202.48	124.55	149.48	176.68	206.15	237.90
R3	3.20	162.06	194.19	229.22	267.67	308.55	189.79	227.78	269.23	314.14	362.51
R4	4.20	212.70	254.87	300.85	351.32	404.97	249.10	298.96	353.36	412.31	475.80
R5	5.30	268.41	321.62	379.64	443.33	511.03	314.34	377.26	445.91	520.29	600.42
R6	6.30	319.05	382.30	451.27	526.97	607.45	373.65	448.44	530.04	618.46	713.70
R7	7.40	374.76	449.05	530.06	618.99	713.51	438.90	526.74	622.59	726.45	838.32
R8	8.40	425.40	509.74	601.69	702.63	809.93	498.21	597.92	706.72	824.62	951.60
R9	9.50	481.11	576.49	680.49	794.64	915.99	563.45	676.22	799.27	932.60	1076.22
R10	10.50	531.75	637.17	752.12	878.29	1012.42	622.76	747.40	883.41	1 030.7	1189.50

FUSION BOND EPOXY CORRUGATED TANK- MODEL CHART

No.Of Rings	Dia → Wall Height ↓	ZA14(4)	ZA14(3)	ZA14(2)	ZA14(1)	ZA14	ZA15(4)	ZA15(3)	ZA15(2)	ZA15(1)	ZA15
		9.36	10.25	11.15	12.04	12.93	10.03	10.99	11.94	12.90	13.85
R1	1.12	77.07	92.421	45.81	127.511	47.06	88.49	106.24	125.41	146.38	168.74
R2	2.10	144.50	173.28	273.40	239.09	275.74	65.92	199.21	235.14	274.47	316.38
R3	3.20	220.19	264.05	416.61	364.33	420.18	252.84	303.55	358.30	418.23	482.10
R4	4.20	289.00	346.57	410.10	478.18	551.49	331.85	398.41	470.27	548.93	632.76
R5	5.30	364.68	437.33	517.51	603.42	695.93	418.76	502.76	593.44	692.70	798.48
R6	6.30	433.49	519.85	615.15	717.27	827.23	497.77	597.62	705.41	823.40	949.14
R7	7.40	509.18	610.62	722.56	842.51	971.67	584.69	701.97	828.57	967.17	1114.86
R8	8.40	577.99	693.13	820.20	956.36	1102.98	663.70	796.83	940.54	1097.86	1265.52
R9	9.50	653.68	783.90	927.611	1081.60	1247.41	750.61	901.17	1063.71	1241.63	1431.24
R10	10.50	722.49	866.42	1025.251	1195.45	1378.72	829.62	996.03	1175.68	1372.33	1581.90

No.Of Rings	Dia → Wall Height ↓	ZA16(4)	ZA16(3)	ZA16(2)	ZA16(1)	ZA16	ZA17(4)	ZA17(3)	ZA17(2)	ZA17(1)	ZA17
		10.70	11.72	12.74	13.76	14.78	11.37	12.45	13.54	14.62	15.70
R1	1.12	100.71	120.83	142.77	166.55	192.16	113.72	136.35	161.27	188.02	216.82
R2	2.10	188.83	226.55	407.92	312.28	192.16	213.22	255.65	302.38	352.54	406.54
R3	3.20	287.74	345.22	267.70	475.86	360.29	324.91	389.56	460.76	537.20	619.50
R4	4.20	377.66	453.10	535.40	624.56	549.02	426.44	511.30	604.75	705.07	813.09
R5	5.30	476.58	571.77	675.62	788.14	720.59	538.13	645.21	763.14	889.73	1026.04
R6	6.30	566.50	679.65	803.10	936.84	909.32	639.66	766.95	907.13	1057.61	1219.63
R7	7.40	665.41	798.32	943.32	1100.42	1080.88	751.35	900.87	1065.51	1242.27	1432.59
R8	8.40	755.33	906.20	1070.80	1249.13	1269.61	852.88	1022.60	1209.50	1410.15	1626.18
R9	9.50	854.24	1024.87	1211.02	1412.70	1441.18	964.57	1156.52	1367.89	1594.81	1839.13
R10	10.50	944.161	132.75	1338.50	1561.411	629.91	1066.11	1278.26	1511.88	1762.68	2032.72

No.Of Rings	Dia → Wall Height ↓	ZA18(4)	ZA18(3)	ZA18(2)	ZA18(1)	ZA18	ZA19(4)	ZA19(3)	ZA19(2)	ZA19(1)	ZA19
		12.04	13.18	14.33	15.48	16.62	12.71	13.92	15.13	16.34	17.55
R1	1.12	127.51	152.8	1180.63	210.79	242.98	142.10	170.45	201.37	234.86	270.93
R2	2.10	239.09	286.51	338.69	395.23	455.59	266.44	319.59	377.56	440.37	508.00
R3	3.20	364.33	436.59	516.10	602.26	694.23	406.00	486.99	575.33	671.03	774.09
R4	4.20	478.18	573.02	677.38	790.46	911.17	532.88	639.17	755.12	880.73	1016.00
R5	5.30	603.42	723.10	854.79	997.49	1149.81	672.45	806.57	952.89	1111.40	1282.09
R6	6.30	717.27	859.53	1016.07	1185.69	1366.76	799.32	958.76	1132.68	1321.10	1524.00
R7	7.40	842.51	1009.61	1193.48	1392.72	1605.40	938.89	1126.16	1330.45	1551.76	1790.09
R8	8.40	956.36	1146.04	1354.76	1580.92	1822.35	1065.76	1278.34	1510.24	1761.46	2032.00
R9	9.50	1081.60	1296.12	1532.17	1787.95	2060.99	1205.33	1445.75	1708.01	1992.13	2298.09
R10	10.50	1195.45	1432.55	1693.45	1976.16	2277.93	1332.20	1597.93	1887.80	2201.83	2540.00

FUSION BOND EPOXY CORRUGATED TANK- MODEL CHART

No.Of Rings	Dia → Wall Height ↓	ZA20(4)	ZA20(3)	ZA20(2)	ZA20(1)	ZA20	ZA21(4)	ZA21(3)	ZA21(2)	ZA21(1)	ZA21
		13.38	14.65	15.92	17.2	18.47	14.04	15.38	16.72	18.06	19.39
R1	1.12	157.48	188.79	222.94	260.23	300.08	173.40	208.08	245.91	286.91	330.72
R2	2.10	295.27	353.98	418.02	487.94	562.66	325.12	390.14	461.09	537.95	620.10
R3	3.20	449.94	539.41	636.98	743.53	857.38	495.42	594.50	702.61	819.74	944.92
R4	4.20	590.54	707.97	836.04	975.88	1125.31	650.24	780.28	922.17	1075.91	1240.21
R5	5.30	745.21	893.39	1055.00	1231.47	1420.04	820.54	984.64	1163.69	1357.69	1565.03
R6	6.30	885.81	1061.95	1254.05	1463.82	1687.97	975.36	1170.42	1383.26	1613.86	1860.31
R7	7.40	1040.48	1247.37	1473.02	1719.41	1982.69	1145.66	1374.78	1624.78	1895.65	2185.13
R8	8.40	1181.09	1415.94	1672.07	1951.76	2250.62	1300.48	1560.56	1844.34	2151.81	2480.42
R9	9.50	1335.75	1601.36	1891.04	2207.35	2545.35	1470.78	1764.92	2085.86	2433.60	2805.23
R10	10.50	1476.36	1769.92	2090.09	2439.70	2813.28	1625.60	1950.71	2305.43	2689.77	3100.52

No.Of Rings	Dia → Wall Height ↓	ZA22(4)	ZA22(3)	ZA22(2)	ZA22(1)	ZA22	ZA23(4)	ZA23(3)	ZA23(2)	ZA23(1)	ZA23
		14.71	16.11	17.52	18.92	20.32	15.38	16.85	18.31	19.78	21.24
R1	1.12	190.34	228.30	270.01	314.88	363.21	208.08	249.75	294.91	344.16	396.84
R2	2.10	356.89	428.06	506.26	590.41	681.01	390.14	468.28	552.95	645.30	744.08
R3	3.20	543.83	652.28	771.45	899.67	1037.74	594.50	713.58	842.59	983.31	1133.83
R4	4.20	713.78	856.11	1012.53	1180.81	1362.03	780.28	936.57	1105.90	1290.60	1488.16
R5	5.30	900.72	1080.33	1277.71	1490.07	1718.75	984.64	1181.86	1395.54	1628.61	1877.91
R6	6.30	1070.67	1284.17	1518.79	1771.22	2043.04	1170.42	1404.85	1658.85	1935.90	2232.23
R7	7.40	1257.61	1508.39	1783.98	2080.48	2399.77	1374.78	1650.14	1948.49	2273.91	2621.99
R8	8.40	1427.56	1712.22	2025.06	2361.63	2724.06	1560.56	1873.13	2211.80	2581.20	2976.31
R9	9.50	1614.50	1936.44	2290.24	2670.89	3080.78	1764.92	2118.43	2501.44	2919.21	3366.07
R10	10.50	1784.45	2140.28	2531.32	2952.03	3405.07	1950.71	2341.42	2764.75	3226.50	3720.39

No.Of Rings	Dia → Wall Height ↓	ZA24(4)	ZA24(3)	ZA24(2)	ZA24(1)	ZA24	ZA25(4)	ZA25(3)	ZA25(2)	ZA25(1)	ZA25
		16.05	17.58	19.11	20.64	22.17	16.72	18.31	19.90	21.50	23.09
R1	1.12	226.60	271.86	321.24	374.74	432.35	245.91	294.91	348.35	406.62	468.98
R2	2.10	424.87	509.74	602.32	702.63	810.66	461.09	552.95	653.15	762.41	879.34
R3	3.20	647.43	776.74	917.83	1070.68	1235.30	702.61	842.59	995.28	1161.76	1339.95
R4	4.20	849.75	1019.48	1204.65	1405.27	1621.33	922.17	1105.90	1306.31	1524.81	1758.68
R5	5.30	1072.30	1286.48	1520.15	1773.31	2045.96	1163.69	1395.54	1648.44	1924.17	2219.29
R6	6.30	1274.62	1529.21	1806.97	2107.90	2431.99	1383.26	1658.85	1959.46	2287.22	2638.02
R7	7.40	1497.17	1796.22	2122.48	2475.94	2856.62	1624.78	1948.49	2301.59	2686.57	3098.63
R8	8.40	1699.49	2038.95	2409.30	2810.53	3242.65	1844.34	2211.80	2612.61	3049.62	3517.36
R9	9.50	1922.05	2305.96	2724.80	3178.58	3667.29	2085.86	2501.44	2954.74	3448.98	3977.97
R10	10.50	2124.37	2548.69	3011.62	3513.17	4053.32	2305.43	2764.75	3265.77	3812.03	4396.70

FUSION BOND EPOXY CORRUGATED TANK- MODEL CHART

No.Of Rings	Dia → Wall Height ↓	ZA26(4)	ZA26(3)	ZA26(2)	ZA26(1)	ZA26	ZA27(4)	ZA27(3)	ZA27(2)	ZA27(1)	ZA27
		17.39	19.04	20.70	22.36	24.01	18.06	19.78	21.50	23.22	24.94
R1	1.12	266.02	318.89	376.92	439.80	507.10	286.91	344.16	406.62	474.28	547.14
R2	2.10	498.78	597.92	706.72	824.62	950.81	537.95	645.30	762.41	889.27	1025.89
R3	3.20	760.04	911.121	1076.91	1256.56	1448.85	819.74	983.311	1161.761	1355.08	1563.27
R4	4.20	997.56	1195.84	1413.45	1649.24	1901.62	1075.91	1290.60	1524.81	1778.54	2051.79
R5	5.30	1258.82	1509.04	1783.64	2081.18	2399.66	1357.69	1628.61	1924.17	2244.35	2589.16
R6	6.30	1496.34	1793.76	2120.17	2473.85	2852.43	1613.86	1935.90	2287.22	2667.81	3077.68
R7	7.40	1757.60	2106.96	2490.36	2905.80	3350.47	1895.65	2273.91	2686.57	3133.62	3615.05
R8	8.40	1995.12	2391.68	2826.90	3298.47	3803.24	2151.81	2581.20	3049.62	3557.08	4103.57
R9	9.50	2256.38	2704.88	3197.08	3730.41	4301.28	2433.60	2919.21	3448.98	4022.89	4640.94
R10	10.50	2493.90	2989.60	3533.62	4123.09	4754.05	2689.77	3226.50	3812.03	4446.35	5129.47

No.Of Rings	Dia → Wall Height ↓	ZA28(4)	ZA28(3)	ZA28(2)	ZA28(1)	ZA28	ZA29(4)	ZA29(3)	ZA29(2)	ZA29(1)	ZA29
		18.73	20.51	22.29	24.08	25.86	19.39	21.24	23.09	24.94	26.78
R1	1.12	308.59	370.03	437.05	510.06	588.25	330.72	396.84	468.98	547.14	630.85
R2	2.10	578.61	693.81	819.46	956.36	1102.98	620.10	744.08	879.34	1025.89	1182.85
R3	3.20	881.69	1057.23	1248.71	1457.31	1680.73	944.92	1133.83	1339.95	1563.27	1802.44
R4	4.20	1157.22	1387.62	1638.93	1912.72	2205.95	1240.21	1488.16	1758.68	2051.7	2365.70
R5	5.30	1460.30	1751.04	2068.17	2413.67	2783.70	1565.03	1877.91	2219.29	2589.16	2985.29
R6	6.30	1735.83	2081.43	2458.39	2869.08	3308.93	1860.31	2232.23	2638.02	3077.68	3548.56
R7	7.40	2038.91	2444.85	2887.63	3370.04	3886.68	2185.13	2621.99	3098.63	3615.05	4168.14
R8	8.40	2314.43	2775.24	3277.85	3825.45	4411.91	2480.42	2976.31	3517.36	4103.57	4731.41
R9	9.50	2617.51	3138.66	3707.0	4326.40	4989.66	2805.23	3366.07	3977.97	4640.94	5351.00
R10	10.50	2893.04	3469.05	4097.31	4781.81	5514.88	3100.52	3720.39	4396.70	5129.47	5914.26

FUSION BOND EPOXY PLAIN TANKS - MODEL CHART

Diameter/ Height		Ring Quantity	1	2	3	4	5	6	7	8	9	10
		Height (m)	1.25	2.45	3.65	4.85	6.05	7.25	8.45	9.65	10.85	12.05
D(m)	Plate Qty./Ring	Floor area	Volume (m3)									
4.30	5	14.49	18.12	35.52	52.92	70.32	87.72	105.12	122.52	139.92	157.32	174.72
5.16	6	20.87	26.10	51.15	76.21	101.26	126.32	151.37	176.43	201.48	226.54	251.59
6.02	7	28.40	35.52	69.63	103.73	137.83	171.93	206.03	240.14	274.24	308.34	342.44
6.87	8	37.10	46.40	90.94	135.48	180.02	224.56	269.11	313.65	358.19	402.73	447.27
7.73	9	46.95	58.72	115.09	171.47	227.84	284.21	340.59	396.96	453.33	509.71	566.08
8.59	10	57.97	72.50	142.09	211.69	281.29	350.88	420.48	490.07	559.67	629.27	698.86
9.45	11	70.14	87.72	171.93	256.14	340.36	424.57	508.78	592.99	677.20	761.41	845.62
10.31	12	83.47	104.39	204.61	304.83	405.05	505.27	605.49	705.71	805.93	906.14	1006.36
11.17	13	97.97	122.52	240.14	357.75	475.37	592.99	710.61	828.23	945.84	1063.46	1181.08
12.03	14	113.62	142.09	278.50	414.91	551.32	687.73	824.14	960.55	1096.95	1233.36	1369.77
12.89	15	130.43	163.12	319.71	476.30	632.89	789.48	946.08	1102.67	1259.26	1415.85	1572.44
13.75	16	148.40	185.59	363.76	541.92	720.09	898.26	1076.42	1254.59	1432.76	1610.92	1789.09
14.61	17	167.53	209.51	410.65	611.78	812.91	1014.05	1215.18	1416.31	1617.45	1818.58	2019.71
15.47	18	187.81	234.89	460.38	685.87	911.36	1136.86	1362.35	1587.84	1813.33	2038.82	2264.32
16.33	19	209.26	261.71	512.95	764.20	1015.44	1266.68	1517.92	1769.17	2020.41	2271.65	2522.90
17.19	20	231.87	289.98	568.37	846.76	1125.14	1403.53	1681.91	1960.30	2238.68	2517.07	2795.45
18.05	21	255.64	319.71	626.63	933.55	1240.47	1547.39	1854.31	2161.23	2468.15	2775.07	3081.99
18.91	22	280.56	350.88	687.73	1024.57	1361.42	1698.27	2035.11	2371.96	2708.80	3045.65	3382.50
19.76	23	306.65	383.50	751.67	1119.83	1488.00	1856.16	2224.33	2592.49	2960.66	3328.82	3696.99
20.62	24	333.89	417.58	818.45	1219.33	1620.20	2021.08	2421.95	2822.83	3223.70	3624.58	4025.45
21.48	25	362.30	453.10	888.08	1323.06	1758.03	2193.01	2627.99	3062.96	3497.94	3932.92	4367.89
22.34	26	391.86	490.07	960.55	1431.02	1901.49	2371.96	2842.43	3312.90	3783.37	4253.84	4724.31

Diameter/ Height		Ring Quantity	1	2	3	4	5	6	7	8	9	10
		Height (m)	1.25	2.45	3.65	4.85	6.05	7.25	8.45	9.65	10.85	12.05
D(m)	Plate Qty./Ring	Floor area	Volume (m3)									
23.2	27	422.58	528.5	1035.85	1543.21	2050.57	2557.93	3065.28	3572.64	4080	4587.35	5094.71
24.06	28	454.47	568.37	1114.01	1659.64	2205.28	2750.91	3296.55	3842.18	4387.82	4933.45	5479.09
24.92	29	487.51	609.69	1195	1780.3	2365.61	2950.91	3536.22	4121.52	4706.83	5292.13	5877.44
25.78	30	521.71	652.47	1278.83	1905.2	2531.57	3157.93	3784.3	4410.67	5037.03	5663.4	6289.77
26.64	31	557.07	696.69	1365.51	2034.33	2703.15	3371.97	4040.79	4709.61	5378.43	6047.25	6716.07
27.5	32	593.59	742.36	1455.03	2167.69	2880.36	3593.03	4305.69	5018.36	5731.03	6443.69	7156.36
28.36	33	631.27	789.48	1547.39	2305.29	3063.2	3821.1	4579	5336.91	6094.81	6852.71	
29.22	34	670.1	838.06	1642.59	2447.12	3251.66	4056.19	4860.72	5665.26	6469.79	7274.32	
30.08	35	710.1	888.08	1740.63	2593.19	3445.74	4298.3	5150.85	6003.41	6855.96	7708.52	
30.94	36	751.26	939.55	1841.52	2743.49	3645.46	4547.42	5449.39	6351.36	7253.33	8155.3	
31.8	37	793.58	992.47	1945.25	2898.02	3850.79	4803.57	5756.34	6709.11	7661.89	8614.66	
32.65	38	837.05	1046.84	2051.82	3056.79	4061.76	5066.73	6071.7	7076.67	8081.64		
33.51	39	881.69	1102.67	2161.23	3219.79	4278.35	5336.91	6395.47	7454.03	8512.59		
34.37	40	927.48	1159.94	2273.48	3387.02	4500.56	5614.1	6727.64	7841.19	8954.73		
35.23	41	974.43	1218.66	2388.57	3558.49	4728.4	5898.32	7068.23	8238.15	9408.06		
36.09	42	1022.55	1278.83	2506.51	3734.19	4961.87	6189.55	7417.23	8644.91	9872.59		
36.95	43	1071.82	1340.45	2627.29	3914.13	5200.96	6487.8	7774.63	9061.47			
37.81	44	1122.25	1403.53	2750.91	4098.3	5445.68	6793.07	8140.45	9487.83			
38.67	45	1173.84	1468.05	2877.37	4286.7	5696.02	7105.35	8514.68	9924			
39.53	46	1226.59	1534.02	3006.68	4479.34	5951.99	7424.65	8897.31	10369.97			
40.39	47	1280.5	1601.44	3138.82	4676.21	6213.59	7750.97	9288.35	10825.74			
41.25	48	1335.57	1670.31	3273.81	4877.31	6480.81	8084.31	9687.81	11291.31			

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