

**JA****enviro tanks**

Joseph Ash was born in 1824, the son of a Birmingham chemist. He founded his Company in 1857 which took an active part in the rapid industrial expansion of the Midlands. In 1864 he joined with John Pierce Lacy to form Ash & Lacy. The parent Company of the Group is now Hill and Smith Holdings Plc.

The Company has occupied the site at Rea Street South, Birmingham, for over 100 years but has always been in the forefront of progress with the gradual replacement of older buildings and the introduction of new and advanced equipment wherever necessary.

The Tank Division has been developed on the newest part of the site where

new high bays have been built to accommodate production of the large storage tanks supplied regularly to Petrol Companies, Heating Engineers and specialised customers throughout the world.

In addition to the large scale production of storage tanks, Joseph Ash has for many years operated a massive Galvanising Division which uses several galvanizing plants, one of which includes one of the largest baths in the Midlands.

Joseph Ash died in 1915 at the age of 91, but his name lives on as part of a thriving energetic Midlands Company located at the hub of the Motorway network.



Storage Tanks  
for all purposes



- ◆ Rectangular 25,000 litre capacity externally stiffened Process Tank ready for despatch.



- ◆ Horizontal Cylindrical 45,000 litres capacity Jet A1 Aviation Fuel installation in operation.



- ◆ Horizontal cylindrical 70,000 litres capacity Belowground Double Skinned, Double Compartment Diesel and Gas oil Tank installed within excavation.



- ◆ 140,000 litre capacity Rectangular Envirotank (Enclosed Bunded Diesel Tank) for fuelling large commercial vehicles.

- ◆ "Tank Mobilisation" 110,000 litre capacity Enclosed Bunded Cylindrical Envirotank on route.



- ◆ 15,500 long x 3220 wide House Boat Hull fabricated and galvanised at J A Envirotanks Birmingham plant.

- ◆ 60,000 litre capacity Rectangular Double Compartment Envirotank (Enclosed Bunded Fuel Tank) for Gas oil and Diesel.



- ◆ "The Portable Fuel Station". 40,000 litre capacity Horizontal Cylindrical Envirotank (Enclosed Bunded Tank) for Diesel and Gas oil being offloaded at a quarry location.

**USEFUL CONVERSIONS FROM IMPERIAL TO METRIC AND METRIC TO IMPERIAL**

To Convert	Multiply by	To Convert	Multiply by	To Convert	Multiply by
Metres - Yards	1.0936	Cu. Metres - Cu. Yards	1.3079	Grammes - Ounces	0.0353
Metres - Feet	3.2808	Cu. Metres - Cu. Feet	35.3146	Tons - Tonnes	1.016
Millimetres - Inches	0.0394	Cu. Yards - Cu. Metres	0.7645	Pounds - Kilos	0.4536
Yards - Metres	0.9144	Cu. Feet - Cu. Metres	0.0283	Ounces - Grammes	28.3495
Feet - Metres	0.3048	Litres - Gallons	0.2199	p.s.i. - Bar	0.069
Inches - Millimetres	25.40	Litres - Pints	1.7596	Bar - p.s.i.	14.50
Sq. Metres - Sq. Yards	1.196	Gallons - Litres	4.5459	p.s.i. - kN/m <sup>2</sup>	6.985
Sq. Metres - Sq. Feet	10.7639	Pints - Litres	0.5682	kN/m <sup>2</sup> - p.s.i.	0.1432
Sq. Yards - Sq. Metres	0.8361	Tonnes - Tons	0.984	Cu. Feet - Gallons	6.25
Sq. Feet - Sq. Metres	0.0929	Kilos - Pounds	2.2046		

**SQUARE FEET (ft<sup>2</sup>) TO SQUARE METRES (m<sup>2</sup>)**  
(1 square foot = 0.092903 square metre)

ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>
1	0.093	21	1.951	41	3.809	61	5.667
2	0.186	22	2.044	42	3.902	62	5.760
3	0.279	23	2.137	43	3.995	63	5.853
4	0.372	24	2.230	44	4.088	64	5.946
5	0.466	25	2.323	45	4.181	65	6.039
6	0.557	26	2.416	46	4.274	66	6.132
7	0.650	27	2.508	47	4.366	67	6.225
8	0.743	28	2.601	48	4.459	68	6.317
9	0.836	29	2.694	49	4.552	69	6.410
10	0.929	30	2.787	50	4.645	70	6.503
11	1.022	31	2.880	51	4.738	71	6.596
12	1.115	32	2.973	52	4.831	72	6.689
13	1.208	33	3.066	53	4.924	73	6.782
14	1.301	34	3.159	54	5.017	74	6.875
15	1.394	35	3.252	55	5.110	75	6.968
16	1.487	36	3.345	56	5.203	76	7.061
17	1.579	37	3.437	57	5.295	77	7.154
18	1.672	38	3.530	58	5.388	78	7.246
19	1.765	39	3.623	59	5.481	79	7.339
20	1.858	40	3.716	60	5.574	80	7.432

**GALLONS (gal) (UK UNIT) TO LITRES (l)**  
(1 gallon = 4.5459681 litres)

gal	l	gal	l	gal	l	gal	l
1	4.546	21	95.465	41	186.384	61	277.304
2	9.092	22	100.011	42	190.930	62	281.850
3	13.638	23	104.557	43	195.476	63	286.395
4	18.184	24	109.103	44	200.022	64	290.941
5	22.730	25	113.649	45	204.568	65	295.487
6	27.276	26	118.195	46	209.114	66	300.033
7	31.822	27	122.741	47	213.660	67	304.579
8	36.368	28	127.287	48	218.206	68	309.125
9	40.914	29	131.833	49	222.752	69	313.671
10	45.460	30	136.379	50	227.298	70	318.217
11	50.006	31	140.925	51	231.844	71	322.763
12	54.552	32	145.471	52	236.390	72	327.309
13	59.097	33	150.017	53	240.936	73	331.855
14	63.643	34	154.563	54	245.482	74	336.401
15	68.189	35	159.109	55	250.028	75	340.947
16	72.735	36	163.655	56	254.574	76	345.493
17	77.281	37	168.201	57	259.120	77	350.039
18	81.827	38	172.746	58	263.666	78	354.585
19	86.373	39	177.292	59	268.212	79	359.131
20	90.919	40	181.838	60	272.758	80	363.677

**SQUARE METRES (m<sup>2</sup>) TO SQUARE FEET (ft<sup>2</sup>)**  
(1 square metre = 10.7639 square feet)

m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>	m <sup>2</sup>	ft <sup>2</sup>
1	10.764	21	226.042	41	441.320	61	656.599
2	21.528	22	236.806	42	452.084	62	667.362
3	32.292	23	247.570	43	462.848	63	678.126
4	43.056	24	258.334	44	473.612	64	688.890
5	53.820	25	269.098	45	484.376	65	699.654
6	64.583	26	279.862	46	495.140	66	710.418
7	75.347	27	290.626	47	505.904	67	721.182
8	86.111	28	301.389	48	516.668	68	731.946
9	96.875	29	312.153	49	527.432	69	742.710
10	107.639	30	322.917	50	538.196	70	753.474
11	118.403	31	333.681	51	548.959	71	764.238
12	129.167	32	344.445	52	559.723	72	775.002
13	139.931	33	355.209	53	570.487	73	785.765
14	150.695	34	365.973	54	581.251	74	796.529
15	161.459	35	376.737	55	592.015	75	807.293
16	172.223	36	387.501	56	602.779	76	818.057
17	182.986	37	398.265	57	613.543	77	828.821
18	193.750	38	409.029	58	624.307	78	839.585
19	204.514	39	419.793	59	635.071	79	850.349
20	215.278	40	430.556	60	645.835	80	861.113

**LITRES (l) TO GALLONS (gal) (UK UNIT)**  
(1 litre = 0.219975 gallon)

l	gal	l	gal	l	gal	l	gal
1	0.220	21	4.620	41	9.019	61	13.419
2	0.440	22	4.840	42	9.239	62	13.639
3	0.660	23	5.059	43	9.459	63	13.859
4	0.880	24	5.279	44	9.679	64	14.078
5	1.100	25	5.499	45	9.899	65	14.298
6	1.320	26	5.719	46	10.119	66	14.518
7	1.540	27	5.939	47	10.339	67	14.738
8	1.760	28	6.159	48	10.559	68	14.958
9	1.980	29	6.379	49	10.779	69	15.178
10	2.200	30	6.599	50	10.999	70	15.398
11	2.420	31	6.819	51	11.219	71	15.618
12	2.640	32	7.039	52	11.439	72	15.838
13	2.860	33	7.259	53	11.659	73	16.058
14	3.080	34	7.479	54	11.879	74	16.278
15	3.300	35	7.699	55	12.099	75	16.498
16	3.520	36	7.919	56	12.319	76	16.718
17	3.740	37	8.139	57	12.539	77	16.938
18	3.960	38	8.359	58	12.759	78	17.158
19	4.180	39	8.579	59	12.979	79	17.378
20	4.400	40	8.799	60	13.199	80	17.598

**FEET TO METRES**

ft	m	ft	m
1	0.305	21	6.401
2	0.610	22	6.706
3	0.914	23	7.010
4	1.219	24	7.315
5	1.524	25	7.620
6	1.829	26	7.925
7	2.134	27	8.230
8	2.438	28	8.534
9	2.743	29	8.839
10	3.048	30	9.144
11	3.353	31	9.449
12	3.658	32	9.754
13	3.963	33	10.058
14	4.267	34	10.363
15	4.572	35	10.668
16	4.877	36	10.973
17	5.182	37	11.278
18	5.486	38	11.582
19	5.791	39	11.887
20	6.096	40	12.192

**PSI TO kN/m<sup>2</sup>**

psi	kN/m <sup>2</sup>	psi	kN/m <sup>2</sup>
1	6.985	21	146.680
2	13.970	22	153.665
3	20.954	23	160.649
4	27.939	24	167.634
5	34.924	25	174.619
6	41.909	26	181.604
7	48.893	27	188.589
8	55.878	28	195.573
9	62.863	29	202.558
10	69.848	30	209.543
11	76.832	31	216.528
12	83.817	32	223.512
13	90.802	33	230.497
14	97.787	34	237.482
15	104.771	35	244.467
16	111.756	36	251.451
17	118.741	37	258.436
18	125.726	38	265.421
19	132.710	39	272.406
20	139.695	40	279.390

**PSI TO BAR**

psi	bars	psi	bars
1	0.069	21	1.448
2	0.138	22	1.517
3	0.207	23	1.586
4	0.276	24	1.655
5	0.345	25	1.724
6	0.414	26	1.793
7	0.483	27	1.862
8	0.552	28	1.931
9	0.621	29	1.999
10	0.689	30	2.068
11	0.758	31	2.137
12	0.827	32	2.206
13	0.896	33	2.275
14	0.965	34	2.344
15	1.034	35	2.413
16	1.103	36	2.482
17	1.172	37	2.551
18	1.241	38	2.620
19	1.310	39	2.689
20	1.379	40	2.758

**TONNES TO TONNES**

tons	t
1	1.016
2	2.032
3	3.048
4	4.064
5	5.080
6	6.096
7	7.112
8	8.128
9	9.144
10	10.160
11	11.177
12	12.193
13	13.209
14	14.225
15	15.241
16	16.257
17	17.273
18	18.289
19	19.305
20	20.321

**HUNDREDWEIGHT (cwt) TO KILOGRAMMES (kg)**  
(1 cwt = 50.802 kg)

cwt	kg	cwt	kg
1	50.802	11	558.822
2	101.604	12	609.624
3	152.406	13	660.426
4	203.208	14	711.228
5	254.010	15	762.030
6	304.812	16	812.832
7	355.614	17	863.634
8	406.416	18	914.436
9	457.218	19	965.238
10	508.020	20	1016.040

**METRES TO FEET**

m	ft	m	ft
1	3.281	21	68.898
2	6.562	22	72.178
3	9.843	23	75.459
4	13.123	24	78.740
5	16.404	25	82.021
6	19.685	26	85.302
7	22.966	27	88.583
8	26.247	28	91.863
9	29.528	29	95.144
10	32.808	30	98.425
11	36.089	31	101.706
12	39.370	32	104.987
13	42.651	33	108.268
14	45.932	34	111.549
15	49.213	35	114.829
16	52.494	36	118.110
17	55		