

CONVERSION TABLES

1410

a four page issue

June 2002
revision of 10-1999

GENERAL	
1 atmosphere	= 14.223 lb/sq.in.
1 foot	= 0.305 metre
1 Imp. gallon	= 4.546 litres
1 litre	= 0.220 Imp. gallon
1 litre	= 0.264 US gallon
1 metre	= 3.281 feet
1 sq. foot	= 0.093 sq. metre
1 sq. metre	= 10.765 sq. feet
1 US gallon	= 3.785 litres
1 yard	= 0.915 metre
1 metre	= 1.0936 yard
degree C	= 5/9 x (degree F - 32)
degree F	= 9/5 x degree C + 32

PRESSURE			
(kg/cm ²) atmosphere (bar)	(p.s.i.) lb/sq.in.	(kg/cm ²) atmosphere (bar)	(p.s.i.) lb/sq.in.
		100	1420
1	14.2	110	1560
2	28.4	120	1710
3	42.7	130	1850
4	56.9	140	1990
5	71.1	150	2130
6	85.3	160	2280
7	99.6	170	2420
8	113.8	180	2560
9	128.0	190	2700
10	142.2	200	2840

VOLUME		
1 Imperial gallon	=	4.55 litre
	=	1.2 US gallons
1 litre	=	0.22 Imperial gallon
	=	0.26 US gallon
1 US gallon	=	3.79 litre
	=	0.83 Imperial gallon

litres	Imperial gallons	US gallons
1	0.22	0.26
2	0.44	0.53
3	0.66	0.79
4	0.88	1.06
5	1.10	1.32
6	1.32	1.58
7	1.54	1.85
8	1.76	2.11
9	1.98	2.38
10	2.20	2.64
15	3.30	3.96
20	4.40	5.28
50	11.00	13.21
100	22.00	26.42

DRY FILM THICKNESS							
mi-crons (µm)	mils	mi-crons (µm)	mils	mi-crons (µm)	mils	mi-crons (µm)	mils
8	0.3	105	4.2	205	8.2	305	12.2
10	0.4	110	4.4	210	8.4	310	12.4
15	0.6	115	4.6	215	8.6	315	12.6
20	0.8	120	4.8	220	8.8	320	12.8
25	1.0	125	5.0	225	9.0	325	13.0
30	1.2	130	5.2	230	9.2	330	13.2
35	1.4	135	5.4	235	9.4	335	13.4
40	1.6	140	5.6	240	9.6	340	13.6
45	1.8	145	5.8	245	9.8	345	13.8
50	2.0	150	6.0	250	10.0	350	14.0
55	2.2	155	6.2	255	10.2	355	14.2
60	2.4	160	6.4	260	10.4	360	14.4
65	2.6	165	6.6	265	10.6	365	14.6
70	2.8	170	6.8	270	10.8	370	14.8
75	3.0	175	7.0	275	11.0	375	15.0
80	3.2	180	7.2	280	11.2	380	15.2
85	3.4	185	7.4	285	11.4	385	15.4
90	3.6	190	7.6	290	11.6	390	15.6
95	3.8	195	7.8	295	11.8	395	15.8
100	4.0	200	8.0	300	12.0	400	16.0



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SPREADING RATE								
Sq.m./l	Sq.ft./ Imp.gal	sq.ft./ US gal	Sq.m./l	Sq.ft./ Imp.gal	sq.ft./ US gal	Sq.m./l	Sq.ft./ Imp.gal	sq.ft./ US gal
1.0	49	41	5.0	244	203	9.0	440	366
1.1	54	45	5.1	249	208	9.1	445	370
1.2	59	49	5.2	254	212	9.2	450	374
1.3	64	53	5.3	259	216	9.3	455	378
1.4	68	57	5.4	264	220	9.4	460	383
1.5	73	61	5.5	269	224	9.5	464	387
1.6	78	65	5.6	274	228	9.6	469	391
1.7	83	69	5.7	279	232	9.7	474	395
1.8	88	73	5.8	284	236	9.8	479	399
1.9	93	77	5.9	288	240	9.9	484	403
2.0	98	81	6.0	293	244	10.0	490	405
2.1	103	85	6.1	298	248	10.5	515	425
2.2	108	89	6.2	303	252	11.0	540	450
2.3	112	94	6.3	308	256	11.5	560	470
2.4	117	98	6.4	313	260	12.0	585	490
2.5	122	102	6.5	318	265	12.5	610	510
2.6	127	106	6.6	323	269	13.0	635	530
2.7	132	110	6.7	328	273	13.5	660	550
2.8	137	114	6.8	332	277	14.0	685	570
2.9	142	118	6.9	337	281	14.5	710	590
3.0	147	122	7.0	342	285	15.0	735	610
3.1	152	126	7.1	347	289	15.5	760	630
3.2	156	130	7.2	352	293	16.0	780	650
3.3	161	134	7.3	357	297	16.5	805	670
3.4	166	138	7.4	362	301	17.0	830	690
3.5	171	142	7.5	367	305	17.5	855	710
3.6	176	146	7.6	372	309	18.0	880	735
3.7	181	151	7.7	376	313	18.5	905	755
3.8	186	155	7.8	381	317	19.0	930	775
3.9	191	159	7.9	386	321	19.5	955	795
4.0	196	163	8.0	391	325	20.0	980	815
4.1	200	167	8.1	396	330	20.5	1000	835
4.2	205	171	8.2	401	334	21.0	1025	855
4.3	210	175	8.3	406	338	21.5	1050	875
4.4	215	179	8.4	411	342	22.0	1075	895
4.5	220	183	8.5	416	346	22.5	1100	915
4.6	225	187	8.6	420	350	23.0	1125	935
4.7	230	191	8.7	425	354	23.5	1150	955
4.8	235	195	8.8	430	358	24.0	1175	975
4.9	240	199	8.9	435	362	24.5	1200	995



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VISCOSITY IN SECONDS							
DIN cup 4	Ford cup 4	Afnor coupe 4	B.S. cup 4	DIN cup 4	Ford cup 4	Afnor coupe 4	B.S. cup 4
15	15	17	19	44	53	56	60
16	17	18	20	46	55	59	63
17	18	20	22	48	58	62	66
18	19	21	23	50	60	64	69
19	21	23	25	55	67	71	75
20	22	24	26	60	73	78	82
21	23	25	28	65	79	84	89
22	25	27	29	70	86	91	96
23	26	28	31	75	92	97	105
24	28	30	32	80	98	104	109
25	29	31	33	85	104	110	116
26	30	32	34	90	111	117	123
27	31	34	36	95	117	124	130
28	33	35	37	100	123	130	138
29	34	36	38	110	136	144	152
30	35	38	40	120	148	157	166
32	38	40	43	130	160	171	180
34	40	43	46	140	173	184	194
36	43	46	49	150	185	197	207
38	45	48	52	160	198	210	221
40	48	51	54	170	210	224	235
42	51	54	57	180	223	237	249



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TEMPERATURE		$^{\circ}\text{C} = (^{\circ}\text{F} - 32) \times 5/9$					
$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$
-10	14.0	8	46.4	32	90	95	203
- 9	15.8	9	48.2	34	93	100	212
- 8	17.6	10	50.0	36	97	110	230
- 7	19.4	11	51.8	38	100	120	248
- 6	21.2	12	53.6	40	104	130	266
- 5	23.0	13	55.4	42	108	140	284
- 4	24.8	14	57.2	44	111	150	302
- 3	26.6	15	59.0	46	115	160	320
- 2	28.4	16	60.8	48	118	170	338
- 1	30.2	17	62.6	50	122	180	356
0	32.0	18	64.4	55	131	190	374
1	33.8	19	66.2	60	140	200	392
2	35.6	20	68.0	65	149	250	482
3	37.4	22	72.0	70	158	300	572
4	39.2	24	75.0	75	167	350	662
5	41.0	26	79.0	80	176	400	752
6	42.8	28	82.0	85	185	450	842
7	44.6	30	86.0	90	194	500	932

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