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## Conversion Tables

<b>Linear Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
inches	25.4	millimetres	millimetres	0.039	inches
feet	0.30	meters	meters	3.28	feet
yards	0.91	meters	meters	1.09	yards
miles	1.61	kilometers	kilometers	0.62	miles

<b>Mass Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
ounces	28.3	grams	grams	0.035	ounces
pounds	0.45	kilograms	kilograms	2.2	pounds
short tons	0.91	metric ton	metric ton	1.1	short tons

<b>Area Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
sq. feet	0.093	sq. meters	sq. meters	10.76	sq. feet
sq. yards	0.84	sq. meters	sq. meters	1.2	sq. yards
sq. miles	2.6	sq. kilometres	sq. kilometers	0.38	sq. miles

<b>Mass Per Area Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
pound per square foot	4.88	kilogram per square meter	kilogram per square meter	0.205	pound per square foot

<b>Mass Per Area Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
square foot per gallon	0.025	square meter per liter	square meter per liter	40.75	square foot per gallon



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<b>Volume Conversions (Approximate Conversions)</b>					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
cu. Inches	16.0	milliliters	milliliters	0.06	cu. inches
fl. ounces	29.6	milliliters	milliliters	0.03	fl. ounces
cups	0.24	liters	liters	0.036	cu. ft
pints	0.47	liters	liters	2.1	pints
quarts	0.95	liters	liters	1.06	quarts
gallons	3.79	liters	liters	0.26	gallon
cu. Feet	0.028	cu. meters	cu. meters	35.3	cu. ft
cu. yards	0.76	cu. meters	cu. meters	1.31	cu.yards
cu. Feet	28.3	liters			
cu. yard	764.5	liters			

<b>Mass Per Volume Conversions (Approximate Conversions)</b>					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
pound per cubic foot	16.02	kilogram per cubic meter	kilogram per cubic meter	0.06	pound per cubic foot
pound per cubic yard	0.59	kilogram per cubic meter	kilogram per cubic meter	1.69	pound per cubic yard
pound per gallon	0.12	kilogram per liter	kilogram per liter	8.34	pound per gallon

<b>Volume per Mass &amp; Volume per Volume Conversions (Approximate Conversions)</b>					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
fluid oz. per cubic yard	38.68	milliliter per cubic meter	milliliter per cubic meter	0.026	fluid oz. per cubic yard
fluid oz. per 100 pounds	65.2	milliliter per 100 kilogram	milliliter per 100 kilogram	0.015	fluid oz. per 100 pounds
gallon per cubic yard	4.95	liter per cubic meter	liter per cubic meter	0.202	gallon per cubic yard



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<b>Force &amp; Related Conversions</b> (Approximate Conversions)					
<b>To Metric Measures</b>			<b>From Metric Measures</b>		
When You Know	Multiply by	To Find	When You Know	Multiply by	To Find
dyne	0.0001	newton	newton	100.000	dyne
pound force	4.45	newton	newton	0.225	pound force
psi	703	kg/m <sup>2</sup>			
psi	6.89	kilopascal (kpa)			

**Note: (1 pascal =1 newton/m<sup>2</sup>)**

<b>Epoxy Mortar and Patching Coverage</b> (Approximate Conversions)			
MORTAR (Binder & Sand)	Coverage	Thickness	
1 gallon	25.7 ft <sup>2</sup>	1/16 in.	
1 gallon	12.8 ft <sup>2</sup>	1/8 in.	
1 gallon	8.6 ft <sup>2</sup>	3/16 in.	
1 gallon	6.4 ft <sup>2</sup>	1/4 in.	
1 gallon	4.3 ft <sup>2</sup>	3/8 in.	
1 gallon	3.2 ft <sup>2</sup>	1/2 in.	
RESINOUS BINDER	SILICA SAND	MORTAR (approx.)	
1 gallon	+1 gallon	1.6 gallon	
1 gallon	+2 gallon	2.2 gallon	
1 gallon	+3 gallon	2.8 gallon	
1 gallon	+4 gallon	3.4 gallon	
1 gallon	+5 gallon	4.0 gallon	

<b>Joint Fillers</b> (Linear Feet Per Gallon)						
DEPTH	WIDTH					
	¼ in.	½ in.	¾ in.	1 in.	1-¼ in.	1-½ in.
¼ in.	308.0					
½ in.	154.0	77.0				
¾ in.	102.7	51.3	34.2			
1 in.	77.0	38.5	25.7	19.3		
1-¼ in.	61.6	30.8	20.5	15.4	12.3	
1-½ in.	51.3	25.7	17.1	12.8	10.3	8.6
1-¾ in.	44.0	22.0	14.7	11.0	8.8	7.3
2 in.	38.5	19.3	12.8	9.6	7.7	6.4
2-½ in.	30.8	15.4	10.3	7.7	6.2	5.1
3 in.	25.7	12.8	8.6	6.4	5.1	4.3

**Note: This chart is provided to assist in estimating material requirements and is not intended to endorse any shape configuration expressed therein.**



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## Conversion Tables

Water		Cement		Temperature	
U.S. Gallons	Pounds	Bags	Pounds	°F	°C
1	8.35	0.25	23.5	0	-17.8
2	16.69	0.50	47	5	-15
3	25.04	0.75	70.5	10	-12.2
4	33.38	1.00	94	15	-9.4
5	41.73	1.25	117.5	20	-6.7
6	50.07	1.50	141	25	-3.9
7	58.42	1.75	164.5	30	-1.1
8	66.76	2.00	188	32	0
9	75.11	2.25	211.5	35	1.7
10	83.45	2.50	235	40	4.4
11	91.80	2.75	258.5	45	7.2
12	100.14	3.00	282	50	10.0
13	108.49	3.25	305.5	55	12.8
14	116.83	3.50	329	60	15.6
15	125.18	3.75	352.5	65	18.3
16	133.52	4.00	376	70	21.1
17	141.87	4.25	399.5	75	23.9
18	150.21	4.50	423	80	26.7
19	158.56	4.75	446.5	85	29.4
20	166.90	5.00	470	90	32.2
21	175.25	5.25	493.5	95	35.0
22	183.59	5.50	517	100	37.8
23	191.94	5.75	540.5	105	40.6
24	200.28	6.00	564	110	43.3
25	208.63	6.25	587.5	115	46.1
26	216.97	6.50	611	120	48.9
27	225.32	6.75	634.5	125	51.7
28	233.66	7.00	658	130	54.4
29	242.01	7.25	681.5	135	57.2
30	250.35	7.50	705	140	60.0
31	258.70	7.75	728.5	145	62.8
32	267.04	8.00	752	150	65.6
33	275.39			155	68.3
34	283.73			160	71.1
35	292.08			165	73.9
36	300.42			170	76.7
37	308.77			175	79.4
38	317.11			180	82.2
39	325.46			185	85.0
40	333.80			190	87.8
41	342.15			195	90.6
42	350.49			200	93.3
43	358.84			205	96.1
44	367.18			210	98.9
45	375.53			212	100.0
				°F=1.8x°C+32      °C=°F -32 1.8	