

# UNIT CONVERSION

1	KG	2.204	lb
1	KIP	4.448	KN
1	k/ft <sup>3</sup>	16000	kg/m <sup>3</sup>
1	KN	0.225	KIP
1	KN-M	0.737	k-ft
1	KN/m <sup>2</sup>	20.88	psf
1	kg/cm <sup>2</sup>	14.22	psi
		2.05	ksf
		0.93	tsf
1	N/mm <sup>2</sup>	0.145	ksi
1	KN/m <sup>3</sup>	6.366	pcf
1	ksi	6.895	MN/m <sup>2</sup>
1	k/ft	14.594	KN/m
1	ft <sup>3</sup>	28.32	Litre
1	UK gallon	4.54609	"
1	US gallon	3.7854	"
		231	in <sup>3</sup>
1	Shipping ton	40	ft <sup>3</sup>

$$1m^2 = 3.4 \text{ eb/ft}$$

1 sq mile = 640 acres  
36 sq mile = 1 township

2 1/2' = Military Pace

3" = palm

4" = hand

5 1/2 yards = 1 rod

40 rod = 1 furlong

4 rod = 1 chain

1 rod = 25 Links

1 Link = 7.92"

$$\frac{\text{wt in kg/m}}{1.5} = \text{eb/ft}$$

Active Press = 5 \* depth (dy)

$$\frac{\text{eb/ft}}{3.4} = \text{Area of section}$$

$$\frac{\text{span in ft}}{2} = \text{W shape}$$