Useful Calculations

In order to help you we have listed some commonly used calculations. We hope that you find this section of use and if there are any calculations you feel we should list, then please do not hesitate to ask us.

Standard Sizes ISO:

A2	420 X 594 mm
RA2	430 x 610 mm
SRA2	450 x 640 mm
B2	520 x 720 mm
A1	594 x 841 mm
RA1	610 x 860 mm
SRA1	640 x 900 mm
B1	720 x 1020 mm
SRA0	900 x 1280 mm

Other Sizes

Based upon Double Royal	640 X 1015 mm
Based upon Quad Crown	760 x 1020 mm
Based upon Double Imperial	815 x 1120 mm

Metric/Imperial Conversion Table

Length		Weight	
1 Millimetre (mm)	0.03937 inch	1 gram (g)	0.035 ounce
1 meter (m)	3.281 feet	1 kilogram (kg)	2.205 pounds
1 Kilometer (m)	0.6214 mile	1 tonne	0.98212 ton

Helpful Calculations

To find the weight of 1000 sheets (A)

$$\frac{Width(mm)}{1000} \times \frac{Length(mm)}{1000} \times gsm = (A)\ Kgs$$

To find the weight of a number of sheets (B)

$$\frac{Number\ of\ sheets}{1000} \times A = (B)\ Kgs$$

To find the number of sheets from a given weight (C)

$$\frac{Weight\ (kgs) \times 1000}{A} = (C)\ sheets$$

To find the cost per 1000 sheets

$$\frac{£/tonne}{1000} \times A = £/1000\ sheets$$

Example: GC2 Maule HS, 500um/285gsm 720 x 1020 – 5000 sheets Price = £1150/T

$$\frac{720}{1000} \times \frac{1020}{1000} \times 285 = 209kgs$$

$$\frac{5000 \times 209}{1000} = 1045kgs$$

Based on 2000 Kgs

$$\frac{2000 \times 1000}{209} = 9{,}569\ sheets$$

$$\frac{1150 \times 209}{1000} = £240.35 / 1000\ sheets$$

Call 0118 9425505 | www.varsitypackaging.co.uk

Bourne House, Bourne Close, Calcot , Reading, Berkshire, RG31 7BS **F:** 0118 9420715 | **E:** sales@varsitypackaging.co.uk