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MEASUREMENT & CONVERSION CHART

<u>When You Know</u>	<u>Multiply By</u>	<u>To Find</u>	<u>When You Know</u>	<u>Multiply By</u>	<u>To Find</u>
Area			Weight		
inches ²	6.45163	Centimeters ²	Ounces	28.35	Grams
Centimeters ²	0.155	inches ²	Grams	0.033527	Ounces
Feet ²	0.0929	Meters ²	Pounds	0.45359	Kilograms
Meters ²	10.76387	Feet ²	Kilograms	2.20462	Pounds
Yards ²	0.83613	Meters ²	Net Ton	0.90719	Metric Ton
Meters ²	1.19599	Yards ²	Metric Ton	1.10231	Net Ton
Length			Gross Ton	1.01605	Metric Ton
inches	0.0254	Meters	Metric Ton	0.98421	Gross Ton
Meters	39.37	inches	Slope		
Feet	0.3048	Meters	inch/Floor	8.33	Slope (%)
Meters	3.2808	Feet	Centimeters/Meter	8.33	Slope (%)
Yards	0.9144	Meters	Volume		
Meters	1.09361	Yards	inches ³	0.016387	Liters
Miles	1.609	Kilometers	Liters	61.023	inches ³
Kilometers	0.621	Miles	Feet ³	28.316	Liters
Rate			Liters	0.035317	Feet ³
Gallons/100 ft ²	0.4075	Liters/m ²	Quarts	0.94636	Liters
Liters/m ²	2.45399	Gallons/100 ft ²	Liters	1.05668	Quarts
Pounds/ft ²	4.882	Kilograms/m ²	Gallons	3.78543	Liters
Kilograms/m ²	0.20483	Pounds/ft ²	Liters	0.26417	Gallons

Thickness		
Mil	25.4	Micron

How to Calculate Mil Thickness
 Theoretical: 1 gallon of 100% solids material applied over 100 sq. ft. yields 16 dry mils.

$$\text{Dry Mil Thickness} = \frac{\text{Gallons per 100 sq. ft.} \times 16 \times \% \text{ Solids by Volume}}{100}$$

$$\text{Gallons per 100 sq. ft.} = \frac{\text{Dry Mil Thickness} \times 100}{16 \times \% \text{ Solids by Volume}}$$

Measures of Length

12 inches = 1 foot	1 sq. ft. = 144 sq. in.
1 sq. yd. = 9 sq. ft.	1 sq. mile = 640 acres
1 acre = 4840	sq. yd. = 43,560 sq. ft.
100 mm ² = 1 cm ²	10,000 cm ² = 1 m ²

Measures of Weight

16 ounces = 1 pound	1000 grams = 1 kg
2000 pounds = 1 net ton	1000 kg = 1 metric ton

Sealant Estimation

Linear feet per full gallon (231 cubic inch)

Miscellaneous		
Pounds per liner inch	0.1752	Kilonewtons/m
Mega pascals	145.038	Lbs. per sq. in.
Pounds per gallon	119.7	Grams per liter

Depth of Joint	Width of Joint						
	¼"	⅜"	½"	⅝"	¾"	⅞"	1"
¼"	308	205	154	123	102	88	77
⅜"	205	136	102	82	68	58	51
½"	154	102	77	61	51	44	38
⅝"	123	82	61	49	41	35	30
¾"	102	68	51	41	34	29	25
⅞"	88	58	44	36	29	25	22
1"	77	51	38	30	25	22	19

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish his own factors for loss from experience.

