Measurements & Conversion Charts

SECTION 1.7

IF YOU KNOW	MULTIPLY BY	TO FIND
AREA		
Inches²	6.45163	Centimeters²
Centimeters²	0.155	Inches²
Feet²	0.0929	Meters²
Meters²	10.76387	Feet²
Yards²	0.83613	Meters²
Meters²	1.19599	Yards²
LENGTH		
Inches	0.0254	Meters
Meters	39.37	Inches
Feet	0.3048	Meters
Meters	3.2808	Feet
Yards	0.9144	Meters
Meters	1.09361	Yards
Miles	1.609	Kilometers
Kilometers	0.621	Miles
RATE		
Gallons/100 ft²	0.4075	Liters/m²
Liters/m²	2.45399	Gallons/100 ft²
Pounds/ft²	4.882	Kilograms/m²
Kilograms/m²	0.20483	Pounds/ft²
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. yd. = 9 sq. ft.
1 Acre = 4840 sq. yd.
100 mm² = 1 cm²
1 sq. ft. = 144 sq. in.
1 sq. mile = 640 Acres
1 Acre = 43,560 sq. ft.
10,000 cm² = 1 m²

MEASURE OF WEIGHT

16 Ounces = 1 Pound
2000 Pounds = 1 Net Ton
1000 Grams = kg
1000 kg = 1 Metric Ton

SEALANT ESTIMATION

Linear Feet per Full Gallon (231 cubic inch)

IF YOU KNOW	MULTIPLY BY	TO FIND
WEIGHT		
Ounces	28.35	Grams
Grams	0.033527	Ounces
Pounds	0.45359	Kilo
Kilograms	2.20462	Pounds
Net Ton	0.90719	Metric Ton
Metric ton	1.10231	Net Ton
Gross Ton	1.01605	Metric Ton
Metric Ton	0.98421	Gross Ton
SLOPE		
Inch/Floor	8.33	Slope (%)
Centimeters/Meter	8.33	Slope (%)
VOLUME		
inches³	0.016387	Liters
Liters	61.023	inches³
Feet³	28.316	Liters
Liters	0.035617	Feet³
Quarts	0.94636	Liters
Liters	1.05668	Quarts
Gallons	3.78543	Liters
Liters	0.26417	Gallons
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

WIDTH OF JOINT

DEPTH OF JOINT	1/4″	3/8″	1/2″	5/8″	3/4″	7/8″	1″
1/4″	308	205	154	123	102	88	77
3/8″	205	136	102	82	68	58	51
1/2″	154	102	77	61	51	44	38
5/8″	123	82	61	49	41	35	30
3/4″	102	68	51	41	34	29	25
7/8″	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.