

METRIC PRACTICE GUIDE FOR CEMENT

Inch-Pound Units	Factor	SI Units
inch	× 25.40	= millimetre (mm)
inch ²	× 6.452	= centimetre ² (cm ²)
foot ³	× 0.02832	= metre ³ (m ³)
pound per foot ³	× 16.02	= kilogram per cubic metre (kg/m ³)
pound per yard ³	× 0.5933	= kilogram per cubic metre (kg/m ³)
quart (U.S. fluid)	× 0.9464	= litre decimetre ³ (dm ³)
pound	× 0.4536	= kilogram (kg)
ton	× 0.9072	= megagram (Mg)
psi	× 6.895	= kilopascal (kPa)
psi	× 0.006895	= megapascal (MPa)
grain	× 0.06480	= gram (g)
horsepower	× 745.7	= watt (W)
centimetre ² per gram (cm ² /g)	× 0.1000	= metre ² per kilogram (m ² /kg)
calorie per gram	× 4.184	= kilojoule per kilogram (kJ/kg)
ounce (U.S. fluid)	× 29.57	= cubic centimetre (cm ³) (millilitre)
pound-force (lbf avoirdupois)	× 4.448	= newton (N)
pound-force (lbf avoirdupois)	× 0.004448	= kilonewton (kN)
temperature, degree Fahrenheit (°F)	(°F – 32)/1.8	= temperature, degree Celsius (°C)
temperature interval (°F)	× 5/9	= temperature interval (°C)

Note—When converting from alternative designation of sieves in inch-pound units, the proper quantity in SI units is that given in Table 1 of Specification E 11, Wire-Cloth Sieves for Testing Purposes, and not the quantity calculated from the alternative designation. (For example, the “1-in.” sieve is the 25.0-mm sieve, not the 25.4-mm sieve).