

APPENDIX A: SI CONVERSION FACTORS

SI CONVERSION FACTORS				
APPROXIMATE CONVERSIONS FROM SI UNITS				
Unit	When you know	Multiply By	To Find	Unit
LENGTH				
mm	millimeters	0.039	inches	in
m	meters	3.28	feet	ft
m	meters	1.09	yards	yd
km	kilometers	0.621	miles	mi
AREA				
mm ²	sq. millimeters	0.0016	sq. inches	in ²
m ²	sq. meters	10.764	sq. feet	ft ²
m ²	sq. meters	1.195	sq. yards	yd ²
ha	hectares	2.47	acres	ac
km ²	sq. kilometers	0.386	sq. miles	mi ²
VOLUME				
ml	milliliters	0.034	fluid ounces	fl oz
l	liters	0.264	gallons	gal
m ³	cubic meters	35.71	cubic feet	ft ³
m ³	cubic meters	1.307	cubic yards	yd ³
MASS				
g	grams	0.035	ounces	oz
kg	kilograms	2.202	pounds	lb
TEMPERATURE				
°C	Celsius	1.8C+32	Fahrenheit	°C
WEIGHT DENSITY				
kN/m ³	kilonewton/cubic m	6.36	poundforce/cubic foot	pcf
FORCE and PRESSURE or STRESS				
N	newtons	0.225	poundforce	lbf
kN	kilonewtons	225	poundforce	lbf
kPa	kilopascals	0.145	poundforce/sq in.	psi
kPa	kilopascals	20.9	poundforce/ sq ft	psf