

# Demolition and Construction Waste Management



## Unit Converter

University of British Columbia

► In **Column D**: Please insert **volume** in Cubic yards (CY), Cubic Meters (CM), or Board feet (bd ft); or **area** in Square feet (Sqf) or Square Meter (Sqm) to transfer it into **weight** (KG).

	A	B	C	D	E
	Type of Waste Material	Description	Unit	Quantity	Weight
			(Volume or Area)		(KG)
1	Alluminum	Scrap, cubed	Cm	1	251
			CY	1	192
		Scrap, whole	Cm	1	104
			CY	1	79
2	Ashphalt	Crushed	Cm	1	721
			CY	1	551
		Roofing	Cm	1	1731
			CY	1	1324
3	Bricks	Broken	Cm	1	831
			CY	1	635
		Common hard	Cm	1	1896
			CY	1	1450
		Whole	Cm	1	1792
			CY	1	1370
4	Cable & Wiring	Copper wire, whole	Cm	1	654
			CY	1	500
5	Cardboard	Uncompacted (Average)	Cm	1	59
			CY	1	45
		Compacted (Average)	Cm	1	235
			CY	1	180
6	Carpeting & Underlay	Loose	Cm	1	356
			CY	1	272
		Flat	Sqm	1	4.9
			Sqf	1	0.5
7	Ceiling Tiles	Loose	Cm	1	104
			CY	1	79
		whole (palletized)	Sqm	1	3
			Sqf	1	0.3
8	Ceramic	Ceramic Tiles, whole	Sqm	1	17
			Sqf	1	1.6
		Ceramic Tiles, Loose 6"x 6"	Cm	1	719
			CY	1	550

9	Clean fill & Soil	Soil loam, Loose	Cm	1	1419
			CY	1	1085
10	Concrete	Scrap, loose	Cm	1	1099
			CY	1	840
		Solid slab	Cm	1	1543
			CY	1	1179
1	Glass	Broken	Cm	1	1439
			CY	1	1100
		Plate	Cm	1	2629
			CY	1	2010
2	Gypsum (Drywall)	1/2"	Sqm	1	7.8
			Sqf	1	0.7
		5/8"	Sqm	1	10.3
			Sqf	1	1
		Mixed	Cm	1	297
			CY	1	227
3	Insulation	Polystyrene, blown formed foam	Cm	1	6
			CY	1	4
		Polystyrene, rigid, whole	Cm	1	13
			CY	1	10
		Fiberglass, loose	Cm	1	10
			CY	1	8
4	Metal	Scrap	Cm	1	593
			CY	1	454
5	Mixed Waste	Average	Cm	1	208
			CY	1	159
6	Paper	Compact	Cm	1	448
			CY	1	342
		Loose	Cm	1	216
			CY	1	165
7	Plastic	Rigid, no film or dairy, whole, loose	Cm	1	30
			CY	1	23
		Soft, mixed, loose	Cm	1	13
			CY	1	10
8	Roofing (shingles, asphalt)	Asphalt shingles, loose	Cm	1	249
			CY	1	190

9	Wood (plywood, MDF, OSB)	Scrap wood, loose	Cm	1	196
			CY	1	150
		Particle board, loose	Cm	1	249
			CY	1	190
		Structural panel, Softwood plywood, 3/8 inch basis	Sqm	1	5
			Sqf	1	0.5
Structural panel, Hardwood plywood, 3/8 inch basis	Sqm	1	6		
	Sqf	1	0.6		
OSB, 3/8 inch basis	Sqm	1	8		
	Sqf	1	0.8		
10	Wood (structural)	Lumber	bd ft	1	0.9
			Cm	1	374
			CY	1	286
		Dimensional lumber, Loose	Cm	1	142
			CY	1	109
		Dimensional lumber, compacted	Cm	1	415
CY	1		318		