



MATERIALS VOLUME-TO-WEIGHT CONVERSION WORKSHEET

This worksheet lists materials typically generated from a construction or demolition project and provides formulas for converting common units (i.e. cubic yards, square feet and board feet) to tons.

<u>Material/Category</u>	<u>Column I Volume</u>	<u>Unit</u>	<u>Column II Tons/unit</u>	<u>Column III Tons</u>
Asphalt/Concrete				
Asphalt (broken)	_____	cy	x 0.7 =	_____
Concrete (broken)	_____	cy	x 0.9 =	_____
Concrete (solid slab)	_____	cy	x 1.2975 =	_____
			Total	_____
Brick/Masonry/Tile				
Brick (broken)	_____	cy	x 0.7 =	_____
Brick (whole, palletized)	_____	cy	x 1.512 =	_____
Masonry block (broken)	_____	cy	x 0.6 =	_____
Tile	_____	sq ft	x 0.00175 =	_____
			Total	_____
Building Materials (doors, windows, cabinets, etc.)	_____	cy	x 0.15 =	_____
Cardboard (flat)	_____	cy	x 0.05 =	_____
Carpet				
By square foot	_____	sq ft	x 0.0005 =	_____
By cubic yard	_____	cy	x 0.3 =	_____
Carpet Padding/Foam	_____	sq ft	x 0.000125 =	_____
Ceiling Tiles				
Whole (palletized)	_____	sq ft	x 0.0003 =	_____
Loose	_____	cy	x 0.0875 =	_____
			Total	_____
Drywall (new or used)				
1/2" (by square foot)	_____	sq ft	x 0.0008 =	_____
5/8" (by square foot)	_____	sq ft	x 0.00105 =	_____
Demo/used (by cubic yard)	_____	cy	x 0.25 =	_____
			Total	_____
Landscape Debris (brush, trees, etc)	_____	cy	x 0.15 =	_____
Scrap Metal	_____	cy	x 0.453 =	_____
Unpainted Wood & Pallets				
By board foot	_____	bd ft	x 0.001375 =	_____
By cubic yard	_____	cy	x 0.15 =	_____
Garbage/Trash	_____	cy	x 0.175 =	_____

cy = cubic yards

sq ft = square foot

bd ft = board foot