



## 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. If you use volume to weigh conversion to estimate tonnage, it is required that you use the conversion rates established below:

<u>MATERIAL/CATEGORY</u>	<u>Volume</u>	<u>Unit</u>	<u>Tons/Unit</u>	<u>Tons</u>
<b>Asphalt/Concrete</b>				
Asphalt	_____	cy	X 0.7	= _____
Concrete (broken)	_____	cy	X 0.9	= _____
Concrete (Slab)	_____	cy	X 1.2975	= _____
<b>Brick/Masonry/Tile</b>				
Brick (broken,loose)	_____	cy	X 0.7	= _____
Brick (whole, palletized)	_____	cy	X 1.512	= _____
Masonry Block (broken)	_____	cy	X 0.6	= _____
Tile	_____	sq. ft.	X 0.00175	= _____
<b>Building Materials (Doors, Windows, Cabinets, etc.)</b>				
	_____	cy	X 0.15	= _____
<b>Cardboard (Flat)</b>				
	_____	cy	X 0.05	= _____
<b>Carpet</b>				
By Square Foot	_____	sq. ft.	X 0.0005	= _____
By cubic yard	_____	cy	X 0.3	= _____
Carpet Padding/Foam	_____	sq. ft.	X 0.000125	= _____
<b>Ceiling Tiles</b>				
Whole (palletized)	_____	sq. ft.	X 0.0003	= _____
Loose	_____	cy	X 0.0875	= _____
<b>Drywall (new or used)</b>				
5/8" (by square foot)	_____	sq. ft.	X 0.00105	= _____
Demo/used	_____	cy	X 0.25	= _____
<b>Landscape Debris (brush, Trees, etc., no dirt)</b>				
	_____	cy	X .15	= _____
<b>Scrap Metal</b>				
	_____	cy	X 0.453	= _____
<b>Wood &amp; Pallets</b>				
By Board Foot	_____	bd. ft.	X 0.001375	= _____
By cubic yard	_____	cy	X .15	= _____
<b>Garbage/Trash</b>				
	_____	cy	X 0.175	= _____

cy = cubic yards

sq ft = square foot

bd ft = board foot