

**CITY OF MISSION VIEJO  
CONSTRUCTION AND DEMOLITION RECYCLING  
MATERIALS CONVERSION WORKSHEET**

MATERIAL	VOLUME	UNIT	TONS/UNIT		TONS
<b>Asphalt / Concrete</b>					
Broken Asphalt		CY	x 0.7	=	
Broken Concrete		CY	x 0.9	=	
Solid Slab Concrete		CY	x 1.2975	=	
<b>Brick / Masonry / Tile</b>					
Broken Brick		CY	x 0.7	=	
Whole Brick (Palletized)		CY	x 1.512	=	
Broken Masonry Block		CY	x 0.6	=	
Tile		Sq Ft	x 0.00175	=	
<b>Building Materials</b> (doors, windows, cabinets, etc.)					
Cardboard (flat)		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>					
½" (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	=	
<b>Landscape Debris</b> (brush, trees, etc.)					
Scrap Metal		CY	x 0.453	=	
<b>Unpainted Wood and Pallets</b>					
By Board Foot		Bd Ft	x 0.001375	=	
By Cubic Yard		CY	x 0.15	=	
Garbage / Trash		CY	x 0.175	=	
<b>Dirt</b>					
By Cubic Yard		CY	x 1.03	=	

	CONVERSION RATE	TONS
<b>Demolition</b>		
Complete Demolition	Sq Ft of structure x 40/2000	=
Complete Demolition with Tile Roof	Sq Ft of structure x 47/2000	=
Green Waste (trees, shrubs, turf, etc.)	CY x 0.25	=
Mixed Debris (e.g., interior remodel)	CY x 0.2	=
<b>Roofing</b>		
Asphalt Composition Shingle	Roof Sq Ft x 3/2000	=
Wood Shingle/Shake	Roof Sq Ft x 2/2000	=
Concrete / Clay Tile	Roof Sq Ft x 10/2000	=
Roof Decking	Roof Sq Ft x 1.5/2000	=
<b>Appliance / Equipment</b>		
Cook Top		0.015
Dishwasher		0.050
Refrigerator		0.075
Oven (single)		0.038
Trash Compactor		0.020
Water Heater (30 gallons)		0.025
Water Heater (40-50 gallons)		0.038
Bathtub (cast iron)		0.150
Bathtub (steel)		0.038
Sink (cast iron)		0.025
Sink (porcelain)		0.010
Sink (steel)		0.005
Toilet		0.020

**SAMPLE CALCULATION:** MATERIALS INCLUDING 100 SQ FT OF ROOF DECKING + 50 CY OF BROKEN BRICK + A CAST IRON BATHTUB WOULD COMPUTE AS: (100 x 1.5 LBS)/2000 + (50 x 0.7) + 0.15 = .075 + 35 + 0.15 = 35.225 TONS.

CY = Cubic Yards

Sq Ft = Square Foot

Bd Ft = Board Foot