

Design Weights of Common Landscape Materials

Type	Description	Weight per Cubic Ft.	Weight per Cubic Yard	Weight per Cubic Meter
Bituminous	Tar	75	2025	2649
Concrete	Plain - stone aggregate	144	3888	5085
	Plain - slag aggregate	132	3564	4662
	Plain - expanded slag aggregate	100	2700	3531
	Plain - vermiculite/perlite, load bearing	70-105	1890-2835	2472-3708
	Plain - vermiculite & perlite, non-load bearing	25-50	675-1350	883-1766
	Reinforced - stone aggregate	150	4050	5297
	Reinforced - slag aggregate	138	3726	4873
	Reinforced - lightweight aggregates	30-106	810-2862	1059-3743
Earth	Clay - dry	63	1701	2225
	Clay - damp, plastic	110	2970	3885
	Clay - and gravel, dry	100	2700	3531
	Dry - loose	78	2106	2755
	Dry - packed	96	2592	3390
	Moist - loose	78	2106	2755
	Moist - packed	96	2592	3390
	Mud - flowing	108	2916	3814
	Mud - packed	115	3105	4061
	Riprap - limestone	80-85	2160-2295	2825-3002
	Riprap - sandstone	90	2430	3178
	Riprap - shale	105	2835	3708
	Sand & gravel - dry, loose	90-105	2430-2835	3178-3708
	Sand & gravel - dry, packed	100-120	2700-3240	3531-4237
	Sand & gravel - wet	118-120	3186-3240	4167-4238
Liquids	Water - 4 degrees, maximum density	62.5	1688	2207
	Water - ice	56	1512	1978
	Water - snow, fresh fallen	8	216	283
	Water - sea water	64	1728	2260
Masonry	Ashlar - granite	168	4536	5933
	Ashlar - limestone, crystalline	168	4536	5933
	Ashlar - limestone, oolitic	135	3645	4767
	Ashlar - marble	173	4671	6109
	Ashlar - sandstone	144	3888	5085
	Rubble, in mortar - granite	153	4131	5403
	Rubble, in mortar - limestone, crystalline	147	3969	5191
	Rubble, in mortar - limestone, oolitic	138	3726	4873

	Rubble, in mortar - marble	156	4212	5509
	Rubble, in mortar - sandstone	137	3699	4838
	Brick - pressed	140	3780	4944
	Brick - common	120	3240	4238
	Brick - soft	100	2700	3531
	Cement - portland, loose	90	2430	3178
	Cement - portland, set	183	4941	6463
	Lime - gypsum, loose	53-64	1431-1728	1872-2260
	Mortar - set	103	2781	3637
Lumber	Cedar - white or red	22	594	777
	Pine - white	26	702	918
	Pine - yellow, long leaf	44	1188	1554
	Pine - yellow, short leaf	38	1026	1342
	Spruce - white or black	27	729	953