

Bulk Specific Weight and Density

<u>Material</u>	<u>Weight</u> <u>(kg / m3)</u>	<u>Weight</u> <u>(lbs / ft3)</u>	<u>Material</u>	<u>Weight</u> <u>(kg/m3)</u>	<u>Weight</u> <u>(lbs/ft3)</u>
sandstone limestone light	2300	143.57	lignite (tile in bulk)	720	44.94
clay dry	1800	112.36	lignite (tile settled)	1030	64.29
clay wet	2000	124.84	lignite (tile rotonde)	820	51.18
beet	570-650	35.58-40.57	mortar (lime and sand)	1700-1800	106.11-112.36
coffee beans (dried, raw)	500-700	31.21-43.69	almond dried to shell	730 - 740	45.57-46.19
limestone hard	2700	168.53	almond dried shell-less	800	49.94
limestone solid	2500	156.05	marble compact	2800	174.78
lime rich (kilnful and pulverous)	500	31.21	course ordinary	2800	174.78
concrete with limestone	2000	124.84	apple	300	18.73
concrete with granite	2200	137.32	fresh snow	80 - 190	4.99-11.86
concrete with brick fragments	1800	112.36	snow damp and watery	200 - 800	12.48-49.94
coal softwood	150	9.36	chile saltpeter (in bulk)	1000	62.42
coal hardwood	220	13.73	straw loose	30 - 45	1.87-2.81
coal	720-850	44.94-53.06	straw of 3 months in barn	50 - 70	3.12-4.37
cement (loose)	1400	87.39	straw pressed	100 - 200	6.24-12.48
ash	900	56.18	potato	650 - 750	40.57-46.82
gas coke	350-470	21.85-29.34	pear and plum	350	21.85
conifers (in log)	330	20.60	lime stone (limestone)	2000	124.84
fresh grass loose	250-350	15.61-21.85	rock breakable	~ 2000	~125
hay loose	40-60	2.50-3.74	foundry core sand in bulk	1200	74.90
hay of 6 months in barn	80-100	4.99-6.24	foundry core sand pressed	1650	102.99
hay pressed	200-350	12.48-21.85	sand, clay, limestone (dry)	1600	99.87
hay in silos	300-400	18.73-24.97	sand, clay, limestone (wetted)	2100	131.08
fosforiti	1200-1300	74.90-81.15	rock salt (grist)	1015	63.36
gravel dry	1500	93.63	marine salt (fine)	785	49.00
gravel wet	1700	106.11	marine salt (coarse)	745	46.50
granite	2700	168.53	light siliceous soil	1500	93.63
wheat	750-780	46.82-48.69	soil gravel dry	1600	99.87
glass wool	20-120	1.25-7.49	soil gravel wet	1800	112.36
fir-wood white (in log)	340	21.22	soil clay dry	2000	124.84
fir-wood red (in log)	320	19.97	soil clay wet	2300	143.57
beech wood (in log)	400	24.97	mixed soil and pebbles	1800-2200	112.36-137.32
oak wood (in log)	420	26.22	vegetable soil	1700	106.11
manure fresh	200-300	12.48-18.73	peat dry	325 - 410	20.29-25.59
manure matured	450-650	28.09-40.57	peat wet	550 - 650	34.33-40.57
lignite in pieces dry	650-780	40.57-48.69	tuff minced	950	59.30