

07 32 Roof Tiles

07 32 19 – Metal Roof Tiles

07 32 19.10 Metal Roof Tiles					Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
0010	METAL ROOF TILES												
0020	Accessories included, .032" thick aluminum, mission tile				1 Carp	2.50	3.200	Sq.	805	180		985	1,15
0200	Spanish tiles				"	3	2.667	"	570	150		720	85

07 33 Natural Roof Coverings

07 33 63 – Vegetated Roofing

07 33 63.10 Green Roof Systems

0010	GREEN ROOF SYSTEMS													
0020	Soil mixture for green roof 30% sand, 55% gravel, 15% soil													
0100	Hoist and spread soil mixture 4" depth up to 5 stories tall roof	G	B-13B	4000	.014	S.F.	.26	.69	.57	1.52	1.9			
0150	6" depth	G		2667	.021		.39	1.04	.85	2.28	2.9			
0200	8" depth	G		2000	.028		.52	1.39	1.13	3.04	3.8			
0250	10" depth	G		1600	.035		.65	1.74	1.42	3.81	4.8			
0300	12" depth	G		1335	.042		.78	2.08	1.70	4.56	5.8			
0310	Alt. man-made soil mix, hoist & spread, 4" deep up to 5 stories tall roof	G		4000	.014		1.78	.69	.57	3.04	3.6			
0350	Mobilization 55 ton crane to site	G	1 Eqhv	3.60	2.222	Ea.		141		141	210			
0355	Hoisting cost to 5 stories per day (Avg. 28 picks per day)	G	B-13B	1	56	Day		2,775	2,275	5,050	6,625			
0360	Mobilization or demobilization, 100 ton crane to site driver & escort	G	A-3E	2.50	6.400	Ea.		375	72	447	635			
0365	Hoisting cost 6-10 stories per day (Avg. 21 picks per day)	G	B-13C	1	56	Day		2,775	1,400	4,175	5,675			
0370	Hoist and spread soil mixture 4" depth 6-10 stories tall roof	G		4000	.014	S.F.	.26	.69	.35	1.30	1.7			
0375	6" depth	G		2667	.021		.39	1.04	.53	1.96	2.5			
0380	8" depth	G		2000	.028		.52	1.39	.70	2.61	3.4			
0385	10" depth	G		1600	.035		.65	1.74	.88	3.27	4.2			
0390	12" depth	G		1335	.042		.78	2.08	1.05	3.91	5.1			
0400	Green roof edging treated lumber 4" x 4", no hoisting included	G	2 Carp	400	.040	L.F.	1.63	2.25		3.88	5.1			
0410	4" x 6"	G		400	.040		2.83	2.25		5.08	6.4			
0420	4" x 8"	G		360	.044		6.75	2.50		9.25	11.1			
0430	4" x 6" double stacked	G		300	.053		5.65	3		8.65	10.7			
0500	Green roof edging redwood lumber 4" x 4", no hoisting included	G		400	.040		12.35	2.25		14.60	16.9			
0510	4" x 6"	G		400	.040		19.65	2.25		21.90	25			
0520	4" x 8"	G		360	.044		37	2.50		39.50	44			
0530	4" x 6" double stacked	G		300	.053		39.50	3		42.50	47.5			
0550	Components, not including membrane or insulation:													
0560	Fluid applied rubber membrane, reinforced, 215 mil thick	G	G-5	350	.114	S.F.	.27	5.15	.48	5.90	9.1			
0570	Root barrier	G	2 Rofc	775	.021		.99	1.02		2.01	2.7			
0580	Moisture retention barrier and reservoir	G	"	900	.018		3.97	.88		4.85	5.8			
0600	Planting sedum, light soil, potted, 2-1/4" diameter, 2 per S.F.	G	1 Clab	420	.019		15.95	.87		16.82	18.8			
0610	1 per S.F.	G	"	840	.010		8	.43		8.43	9.4			
0630	Planting sedum mat per S.F. including shipping (4000 S.F. min)	G	4 Clab	4000	.008		19.15	.36		19.51	21.5			
0640	Installation sedum mat system (no soil required) per S.F. (4000 S.F. min)	G	"	4000	.008		26.50	.36		26.86	30			
0645	Note: pricing of sedum mats shipped in full truck loads (4000-5000 S.F.)													