

02 82 Asbestos Remediation

02 82 13 – Asbestos Abatement

02 82 13.44 Demolition In Asbestos Contaminated Area		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs Labor	Equipment	Total	Total Incl O&P
0400	Partitions, non load bearing									
0410	Plaster, lath, and studs	A-9	690	.093	S.F.	.73	5.85		6.58	9.75
0450	Gypsum board and studs	"	1390	.046	"	.15	2.91		3.06	4.61
9000	For type B (supplied air) respirator equipment, add				%				10%	10%

02 82 13.45 OSHA Testing

0010	OSHA TESTING									
0100	Certified technician, minimum				Day		340		340	340
0110	Maximum						670		670	670
0121	Industrial hygienist, minimum						385		385	385
0130	Maximum						755		755	755
0200	Asbestos sampling and PCM analysis, NIOSH 7400, minimum	1 Asbe	8	1	Ea.	18	63		81	116
0210	Maximum		4	2		24	126		150	220
1000	Cleaned area samples		8	1		18	63		81	116
1100	PCM air sample analysis, NIOSH 7400, minimum		8	1		18	63		81	116
1110	Maximum		4	2		24	126		150	220
1200	TEM air sample analysis, NIOSH 7402, minimum								80	106
1210	Maximum								360	450

02 82 13.46 Decontamination of Asbestos Containment Area

0010	DECONTAMINATION OF ASBESTOS CONTAINMENT AREA									
0100	Spray exposed substrate with surfactant (bridging)									
0200	Flat surfaces	A-9	6000	.011	S.F.	.44	.67		1.11	1.51
0250	Irregular surfaces		4000	.016	"	.47	1.01		1.48	2.06
0300	Pipes, beams, and columns		2000	.032	L.F.	.63	2.02		2.65	3.78
1000	Spray encapsulate polyethylene sheeting		8000	.008	S.F.	.46	.50		.96	1.28
1100	Roll down polyethylene sheeting		8000	.008	"		.50		.50	.77
1500	Bag polyethylene sheeting		400	.160	Ea.	1.05	10.10		11.15	16.60
2000	Fine clean exposed substrate, with nylon brush		2400	.027	S.F.		1.68		1.68	2.57
2500	Wet wipe substrate		4800	.013			.84		.84	1.29
2600	Vacuum surfaces, fine brush		6400	.010			.63		.63	.97
3000	Structural demolition									
3100	Wood stud walls	A-9	2800	.023	S.F.		1.44		1.44	2.21
3500	Window manifolds, not incl. window replacement		4200	.015			.96		.96	1.47
3600	Plywood carpet protection		2000	.032			2.02		2.02	3.09
4000	Remove custom decontamination facility	A-10A	8	3	Ea.	16.35	190		206.35	310
4100	Remove portable decontamination facility	3 Asbe	12	2	"	15	126		141	210
5000	HEPA vacuum, shampoo carpeting	A-9	4800	.013	S.F.	.12	.84		.96	1.42
9000	Final cleaning of protected surfaces	A-10A	8000	.003	"		.19		.19	.29

02 82 13.47 Asbestos Waste Pkg., Handling, and Disp.

0010	ASBESTOS WASTE PACKAGING, HANDLING, AND DISPOSAL									
0100	Collect and bag bulk material, 3 C.F. bags, by hand	A-9	400	.160	Ea.	1.20	10.10		11.30	16.75
0200	Large production vacuum loader	A-12	880	.073		1.01	4.59	.87	6.47	9.05
1000	Double bag and decontaminate	A-9	960	.067		1.20	4.21		5.41	7.75
2000	Containerize bagged material in drums, per 3 C.F. drum	"	800	.080		20	5.05		25.05	29.50
3000	Cart bags 50' to dumpster	2 Asbe	400	.040			2.52		2.52	3.86
5000	Disposal charges, not including haul, minimum				C.Y.				61	67
5020	Maximum				"				355	395
9000	For type B (supplied air) respirator equipment, add				%				10%	10%

02 82 13.48 Asbestos Encapsulation With Sealants

0010	ASBESTOS ENCAPSULATION WITH SEALANTS									
0100	Ceilings and walls, minimum	A-9	21000	.003	S.F.	.54	.19		.73	.88
0110	Maximum		10600	.006		.58	.38		.96	1.22
0200	Columns and beams, minimum		13300	.005		.54	.30		.84	1.05