

# 02 82 Asbestos Remediation

## 02 82 13 – Asbestos Abatement

02 82 13.43 Bulk Asbestos Removal		Crew	Daily Output	Labor-Hours	Unit	Material	2022 Bare Costs		Total	Total Incl O&P
							Labor	Equipment		
0130	W 16 x 31	A-9	160	.400	L.F.	1.26	25		26.26	40
0140	W 18 x 40		140	.457		1.44	29		30.44	45.50
0150	W 24 x 55		110	.582		1.84	36.50		38.34	58
0160	W 30 x 108		85	.753		2.38	47.50		49.88	75
0170	W 36 x 150		72	.889		2.81	56		58.81	89
0200	Boiler insulation		480	.133	S.F.	.56	8.40		8.96	13.45
0210	With metal lath, add				%				50%	50%
0300	Boiler breeching or flue insulation	A-9	520	.123	S.F.	.39	7.75		8.14	12.35
0310	For active boiler, add				%				100%	100%
0400	Duct or AHU insulation	A-10B	440	.073	S.F.	.23	4.59		4.82	7.30
0500	Duct vibration isolation joints, up to 24 sq. in. duct	A-9	56	1.143	Ea.	3.61	72		75.61	114
0520	25 sq. in. to 48 sq. in. duct		48	1.333		4.21	84		88.21	134
0530	49 sq. in. to 76 sq. in. duct		40	1.600		5.05	101		106.05	160
0600	Pipe insulation, air cell type, up to 4" diameter pipe		900	.071	L.F.	.22	4.49		4.71	7.10
0610	4" to 8" diameter pipe		800	.080	"	.25	5.05		5.30	8
0620	10" to 12" diameter pipe	A-9	700	.091	L.F.	.29	5.75		6.04	9.15
0630	14" to 16" diameter pipe		550	.116	"	.37	7.35		7.72	11.65
0650	Over 16" diameter pipe		650	.098	S.F.	.31	6.20		6.51	9.85
0700	With glove bag up to 3" diameter pipe		200	.320	L.F.	3.20	20		23.20	34.50
1000	Pipe fitting insulation up to 4" diameter pipe		320	.200	Ea.	.63	12.60		13.23	20
1100	6" to 8" diameter pipe		304	.211		.66	13.30		13.96	21
1110	10" to 12" diameter pipe		192	.333		1.05	21		22.05	33
1120	14" to 16" diameter pipe		128	.500		1.58	31.50		33.08	50
1130	Over 16" diameter pipe		176	.364	S.F.	1.15	23		24.15	36.50
1200	With glove bag, up to 8" diameter pipe		75	.853	L.F.	8.05	54		62.05	91.50
2000	Scrape foam fireproofing from flat surface		2400	.027	S.F.	.08	1.68		1.76	2.66
2100	Irregular surfaces		1200	.053		.17	3.37		3.54	5.35
3000	Remove cementitious material from flat surface		1800	.036		.11	2.24		2.35	3.55
3100	Irregular surface		1000	.064		.14	4.04		4.18	6.35
4000	Scrape acoustical coating/fireproofing, from ceiling		3200	.020		.06	1.26		1.32	2
5000	Remove VAT and mastic from floor by hand		2400	.027		.08	1.68		1.76	2.66
5100	By machine	A-11	4800	.013	"	.04	.84	.01	.89	1.35
5150	For 2 layers, add				%				50%	50%
6000	Remove contaminated soil from crawl space by hand	A-9	400	.160	C.F.	.51	10.10		10.61	16
6100	With large production vacuum loader	A-12	700	.091	"	.29	5.75	1.10	7.14	10.40
7000	Radiator backing, not including radiator removal	A-9	1200	.053	S.F.	.17	3.37		3.54	5.35
8000	Cement-asbestos transite board and cement wall board	2 Asbe	1000	.016		.21	1.01		1.22	1.77
8100	Transite shingle siding	A-10B	750	.043		.29	2.70		2.99	4.44
8200	Shingle roofing	"	2000	.016		.10	1.01		1.11	1.66
8250	Built-up, no gravel, non-friable	B-2	1400	.029		.10	1.31		1.41	2.07
8260	Bituminous flashing	1 Rofc	300	.027		.10	1.32		1.42	2.25
8300	Asbestos millboard, flat board and VAT contaminated plywood	2 Asbe	1000	.016	"	.09	1.01		1.10	1.64
9000	For type B (supplied air) respirator equipment, add				%				10%	10%

## 02 82 13.44 Demolition In Asbestos Contaminated Area

02 82 13.44 DEMOLITION IN ASBESTOS CONTAMINATED AREA		Crew	Daily Output	Labor-Hours	Unit	Material	Labor	Equipment	Total	Total Incl O&P
0200	Ceiling, including suspension system, plaster and lath	A-9	2100	.030	S.F.	.10	1.92		2.02	3.05
0210	Finished plaster, leaving wire lath		585	.109		.35	6.90		7.25	10.95
0220	Suspended acoustical tile		3500	.018		.06	1.15		1.21	1.83
0230	Concealed tile grid system		3000	.021		.07	1.35		1.42	2.13
0240	Metal pan grid system		1500	.043		.13	2.69		2.82	4.27
0250	Gypsum board		2500	.026	"	.08	1.62		1.70	2.56
0260	Lighting fixtures up to 2' x 4'	A-9	72	.889	Ea.	2.81	56		58.81	89