## 09 81 Acoustic Insulation

09 81 16 - Acoustic Blanket Insulation

		Daily	Labor-			2022 Ba	re Costs		Total
16.10 Sound Attenuation Blanket	Crew	Output	Hours	Unit	Material	Labor	Equipment	Total	Incl 08
4" thick	: 1 Carp	900	.009	S.F.	1 :	.50		1.50	. 1
Urethane plastic foam, open cell, on wall, 2" thick	2 Carp	2050	.008		3.35	.44		3.79	4
3" thick		1550	.010		4.46	.58		5.04	5
4" thick	Transition of the second	1050	.015		6.25	.86		7.11	8
On ceiling, 2" thick	Mary Town	1700	.009		3.34	.53		3.87	4
3" thick		1300	.012		4.46	.69		5.15	5
4" thick		900	.018	÷	6.25	1		7.25	. 8
	4" thick Urethane plastic foam, open cell, on wall, 2" thick 3" thick 4" thick On ceiling, 2" thick 3" thick	4" thick 1 Carp Urethane plastic foam, open cell, on wall, 2" thick 2 Carp 3" thick 1 4" thick 1 On ceiling, 2" thick 1 3" thick 1	6.10 Sound Attenuation Blanket Crew Output  4" thick 1 Carp 900  Urethane plastic foam, open cell, on wall, 2" thick 2 Carp 2050  3" thick 1 1550  4" thick 1 1050  On ceiling, 2" thick 1 1700  3" thick 1 1300	6.10 Sound Attenuation Blanket         Crew Output Hours         Hours           4" thick         1 Carp         900         .009           Urethane plastic foam, open cell, on wall, 2" thick         2 Carp         2050         .008           3" thick         1 1550         .010           4" thick         1 1050         .015           On ceiling, 2" thick         1 1700         .009           3" thick         1 300         .012	6.10 Sound Attenuation Blanket         Crew Output Hours         Unit           4" thick         1 Carp         900         .009         S.F.           Urethane plastic foam, open cell, on wall, 2" thick         2 Carp         2050         .008             3           3" thick             1550         .010             3           4" thick             1050         .015             3           On ceiling, 2" thick             1700         .009             3           3" thick             300         .012             3	6.10 Sound Attenuation Blanket         Crew Output Hours         Unit Material           4" thick         1 Carp         900         .009         S.F.         1           Urethane plastic foam, open cell, on wall, 2" thick         2 Carp         2050         .008           3.35           3" thick           1550         .010           4.46           4" thick           1650         .015           6.25           On ceiling, 2" thick           1700         .009           3.34           3" thick           1300         .012         4.46	6.10 Sound Attenuation Blanket         Crew Output Hours         Unit Unit Material         Lobor           4" thick         1 Carp         900         .009         S.F.         1         .50           Urethane plastic foam, open cell, on wall, 2" thick         2 Carp         2050         .008                   3.35         .44           3" thick                             1550         .010                   4.46         .58           4" thick                             1050         .015                   6.25         .86           On ceiling, 2" thick                   1700         .009                   3.34         .53           3" thick                   1300         .012         4.46         .69	6.10 Sound Attenuation Blanket   Crew   Output   Hours   Unit   Material   Labor   Equipment	6.10 Sound Attenuation Blanket   Crew   Output   Hours   Unit   Material   Lobor   Equipment   Total

### 09 84 Acoustic Room Components

09 84 13 - Fixed Sound-Absorptive Panels

09 84 13	3.10 Fixe	d Panels
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Fiberglass or mineral filler, no backs, 2-1/4" thick, modular									
space units, ceiling or wall hung, white or colored	1 Carp	100	.080	S.F.	11.60	4.50		16.10	19
Fiberboard sound deadening panels, 1/2" thick	· : #	600	.013	" ;	.31	.75		1.06	1
Fiberglass panels, 4' x 8' x 1" thick, with									
glass cloth face for walls, cemented	1 Carp	155	.052	S.F.	9.75	2.91		12.66	15
1-1/2" thick, dacron covered, inner aluminum frame,	<b>E</b>								
wall mounted	1 Carp	300	.027	S.F.	8.55	1.50		10.05	11
Mineral fiberboard panels, fabric covered, 30" x 108",									
3/4" thick, concealed spline, wall mounted	1 Carp	150	.053	S.F.	6.15	3		9.15	11
	space units, ceiling or wall hung, white or colored Fiberboard sound deadening panels, 1/2" thick Fiberglass panels, 4' x 8' x 1" thick, with glass cloth face for walls, cemented 1-1/2" thick, dacron covered, inner aluminum frame, wall mounted Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted	space units, ceiling or wall hung, white or colored  Fiberboard sound deadening panels, 1/2" thick  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1-1/2" thick, dacron covered, inner aluminum frame, wall mounted  Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted  1 Carp	space units, ceiling or wall hung, white or colored 1 Carp 100  Fiberboard sound deadening panels, 1/2" thick :" 600  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented 1 Carp 155  1-1/2" thick, dacron covered, inner aluminum frame, wall mounted 1 Carp 300  Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted 1 Carp 150	space units, ceiling or wall hung, white or colored  Fiberboard sound deadening panels, 1/2" thick  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1-1/2" thick, dacron covered, inner aluminum frame, wall mounted  1 Carp 300 .027  Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted  1 Carp 150 .053	space units, ceiling or wall hung, white or colored  Fiberboard sound deadening panels, 1/2" thick  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1 Carp 155 .052 S.F.    1-1/2" thick, dacron covered, inner aluminum frame, wall mounted  All Carp 300 .027 S.F.    Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted  1 Carp 150 .053 S.F.	space units, ceiling or wall hung, white or colored  Fiberboard sound deadening panels, 1/2" thick  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1 Carp 155 .052 S.F.   9.75    1-1/2" thick, dacron covered, inner aluminum frame,  wall mounted  1 Carp 300 .027 S.F.   8.55    Mineral fiberboard panels, fabric covered, 30" x 108",  3/4" thick, concealed spline, wall mounted  1 Carp 150 .053 S.F. 6.15	space units, ceiling or wall hung, white or colored  1 Carp 100 .080 S.F. 11.60 4.50  Fiberboard sound deadening panels, 1/2" thick  1 Carp 100 .013 " .31 .75  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1 Carp 155 .052 S.F. 9.75 2.91  1-1/2" thick, dacron covered, inner aluminum frame, wall mounted  1 Carp 300 .027 S.F. 8.55 1.50  Mineral fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted  1 Carp 150 .053 S.F. 6.15 3	space units, ceiling or wall hung, white or colored  Fiberboard sound deadening panels, 1/2" thick  Fiberglass panels, 4' x 8' x 1" thick, with  glass cloth face for walls, cemented  1 Carp 155 .052 S.F.   9.75 2.91    1-1/2" thick, dacron covered, inner aluminum frame, wall mounted  Alignment fiberboard panels, fabric covered, 30" x 108", 3/4" thick, concealed spline, wall mounted  1 Carp 150 .053 S.F. 6.15 3	space units, ceiling or wall hung, white or colored       1 Carp 100 .080 S.F. 11.60 4.50       16.10         Fiberboard sound deadening panels, 1/2" thick       " 600 .013 " .31 .75       1.06         Fiberglass panels, 4' x 8' x 1" thick, with glass cloth face for walls, cemented       1 Carp 155 .052 S.F. 9.75 2.91   12.66   12.66   1-1/2" thick, dacron covered, inner aluminum frame, wall mounted       1 Carp 300 .027 S.F. 8.55 1.50   10.05   10.

### 09 84 36 - Sound-Absorbing Ceiling Units

#### 09 84 36.10 Barriers

0010	DADDIEDE DI								
0010	BARRIERS Plenum								
0600	Aluminum foil, fiberglass reinf., parallel with joists	1 Carp	275	.029	S.F.	2.29	1.64	3.93	4
0700	Perpendicular to joists		180	.044		2.29	2.50	4.79	6
0900	Aluminum mesh, kraft paperbacked		275	.029	1 ;	.73	1.64	2.37	3
0970	Fiberglass batts, kraft faced, 3-1/2" thick	To the second	1400	.006		.35	.32	.67	
0980	6" thick	11-	1300	.006	1 1	.63	.35	.98	1
1000	Sheet lead, 1 lb., 1/64" thick, perpendicular to joists	1	150	.053		8.35	3	11.35	13
1100	Vinyl foam reinforced, 1/8" thick, 1.0 lb./S.F.	1 +	150	.053	+ 1	5.55	3	8.55	10

# 09 91 Painting

### 09 91 13 - Exterior Painting

#### 09 91 13.30 Fences

0010	FENCES	R099100-20					
0100	Chain link or wire metal, one side, water base						
0110	Roll & brush, first coat	1 Pord 960	.008 S.F.	.12	.40		.52
0120	Second coat	1280	.006	.12	.30		.42
0130	Spray, first coat	2275	5004	.12	.17	1	.29
0140	Second coat	1 🕹 2600	0 .003 : 🕹 [	.12	.15	1	.27
0150	Picket, water base						
0160	Roll & brush, first coat	1 Pord 865	.009   S.F.	.13	.44		.57
0170	Second coat	1050	800.	.13	.36		.49
0180	Spray, first coat	2275	.004	.13	.17		.30
0190	Second coat	₹ 🚣 2600	.003	.13	.15		.28
0200	Stockade, water base						
0210	Roll & brush, first coat	1 Pord 1040	.008 S.F. i	.13	37		.50
0220	Second coat	[ ] [ 1200	0 .007	.13	.32	1	.45