

## PIPE AND BLOCK INSULATION

### Single Layer

I.D. Pipe Size (in) (mm)	1" (25 mm) Thick				1½" (38 mm) Thick				2" (51 mm) Thick				
	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
½	15	105	0.183	6.68	62	60	0.202	7.63	90	36	0.202	7.63	85
¾	20	105	0.183	6.68	60	60	0.202	7.63	88	36	0.202	7.63	84
1	25	84	0.183	6.68	84	51	0.247	7.98	91	30	0.247	7.98	85
1¼	32	96	0.202	7.60	76	30	0.145	5.49	65	30	0.247	7.98	83
1½	40	75	0.231	7.24	73	33	0.145	5.49	69	24	0.247	7.98	93
2	50	51	0.161	7.98	74	30	0.145	5.49	73	24	0.247	7.98	89
2½	65	48	0.183	6.68	79	21	0.180	6.08	72	15	0.161	6.08	72
3	80	36	0.183	8.45	66	24	0.180	6.08	73	15	0.161	6.08	66
3½	90	27	0.231	7.24	66	21	0.202	7.63	86	12	0.160	5.78	68
4	100	30	0.202	8.45	69	24	0.202	7.63	88	12	0.160	5.78	63
4½	115	27	0.264	8.87	78	12	0.160	5.78	58	12	0.183	6.59	78
5	125	27	0.222	8.45	65	18	0.231	7.14	76	12	0.183	6.59	71
6	150	27	0.266	9.51	79	12	0.183	6.59	57	12	0.247	7.98	83
7	175	-	-	-	-	12	0.232	7.69	66	9	0.214	7.14	69
8	200	-	-	-	-	12	0.265	9.19	73	6	0.180	6.08	51
9	225	-	-	-	-	9	0.264	8.8	61	6	0.214	7.14	60
10	250	-	-	-	-	6	0.214	7.14	47	6	0.202	7.63	63
11	275	-	-	-	-	6	0.202	7.63	51	6	0.222	8.45	68
12	300	-	-	-	-	6	0.222	8.45	54	6	0.278	9.31	65
14	350	-	-	-	-	6	0.278	9.31	57	3	0.161	6.08	38
15	375	-	-	-	-	3	0.161	6.08	30	3	0.183	6.59	41
16	400	-	-	-	-	3	0.183	6.59	32	3	0.231	7.14	43
17	425	-	-	-	-	3	0.231	7.10	34	3	0.232	7.69	46
18	450	-	-	-	-	3	0.232	7.69	36	3	0.247	7.98	48
19	475	-	-	-	-	3	0.232	7.69	38	3	0.264	8.87	50
20	500	-	-	-	-	Quad	*	*	*	3	0.265	9.10	52
21	525	-	-	-	-	Quad	*	*	*	3	0.266	9.51	54
22	550	-	-	-	-	Quad	*	*	*	3	0.285	10.48	56
23	575	-	-	-	-	Quad	*	*	*	1.5	0.264	8.87	30
24	600	-	-	-	-	Quad	*	*	*	1.5	0.265	9.19	32

\*Refer to page 5 for Quad Pipe Insulation packaging and shipping data.

Notes: • Load Factors are based on the following:

- 100% : 53' High Cube Trailer
- 70% : 45' High Cube Container
- 65% : 40' High Cube Container
- 58% : 40' Standard Container

- Cube/Carton is determined by using the outside volume of the carton, not the actual volume of the insulation material in the carton.

**Single Layer, continued**

I.D. Pipe Size (in) (mm)		2½" (64 mm) Thick				3" (76 mm) Thick			
		Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton
½	15	18	0.145	5.49	61	15	0.202	7.63	82
¾	20	18	0.145	5.49	61	15	0.202	7.63	80
1	25	18	0.145	5.49	60	15	0.202	7.63	82
1¼	32	24	0.247	7.98	95	15	0.202	7.63	80
1½	40	12	0.180	6.08	63	12	0.202	7.63	82
2	50	12	0.180	6.08	61	12	0.202	7.63	79
2½	65	9	0.145	5.49	57	12	0.278	9.31	97
3	80	12	0.161	6.08	71	9	0.160	5.78	70
3½	90	12	0.232	7.69	88	9	0.232	7.69	86
4	100	9	0.145	5.49	63	9	0.232	7.69	83
4½	115	9	0.232	7.69	78	6	0.180	6.08	65
5	125	9	0.231	7.14	73	6	0.180	6.08	61
6	150	9	0.232	7.69	81	6	0.180	6.08	68
7	175	6	0.180	6.08	60	6	0.202	7.63	79
8	200	6	0.202	7.63	71	6	0.222	8.45	86
9	225	6	0.222	8.45	75	6	0.278	9.31	93
10	250	6	0.278	9.31	81	3	0.160	5.78	51
11	275	3	0.160	5.78	42	3	0.161	6.08	53
12	300	3	0.161	6.08	47	3	0.183	6.59	58
14	350	3	0.183	6.59	49	3	0.231	7.14	60
15	375	3	0.231	7.14	51	3	0.232	7.69	63
16	400	3	0.232	7.69	55	3	0.264	8.87	66
17	425	3	0.264	8.87	58	3	0.265	9.19	69
18	450	3	0.265	9.19	60	3	0.266	9.51	73
19	475	3	0.265	9.19	62	3	0.285	10.48	78
20	500	3	0.285	10.50	64	1.5	0.247	7.98	37
21	525	1.5	0.247	7.98	30	1.5	0.202	7.63	37
22	550	1.5	0.264	9.31	32	1.5	0.265	9.31	39
23	575	1.5	0.265	9.31	33	1.5	0.266	9.31	41
24	600	1.5	0.266	9.31	34	1.5	0.278	9.31	42

\*Refer to page 5 for Quad Pipe Insulation packaging and shipping data.

Notes: • Load Factors are based on the following:

- 100% : 53' High Cube Trailer
- 70% : 45' High Cube Container
- 65% : 40' High Cube Container
- 58% : 40' Standard Container

- Cube/Carton is determined by using the outside volume of the carton, not the actual volume of the insulation material in the carton.

**Factory Nested/Double Layer**

I.D. Pipe Size (in) (mm)	3" (76 mm) Thick				3½" (89 mm) Thick				4" (102 mm) Thick				4½" (114 mm) Thick				
	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
½	15	15	0.202	7.63	84	12	0.202	7.63	86	9	0.214	7.10	80	6*	0.160*	5.78*	66*
¾	20	15	0.202	7.63	83	12	0.202	7.63	85	9	0.214	7.10	80	6*	0.160*	5.78*	66*
1	25	15	0.202	7.63	82	12	0.202	7.63	84	9	0.214	7.10	79	6	0.160	5.78	65
1¼	32	15	0.202	7.63	80	12	0.202	7.73	83	9	0.214	7.10	78	6	0.160	5.78	65
1½	40	12	0.202	7.63	82	9	0.144	5.22	77	9	0.214	7.10	88	6	0.183	6.59	77
2	50	12	0.202	7.63	79	9	0.161	6.08	76	6	0.144	5.22	57	6	0.183	6.59	76
2½	65	12	0.278	9.31	97	6	0.144	5.22	62	6	0.161	6.17	75	6	0.232	7.69	89
3	80	9	0.160	5.65	70	6	0.144	5.22	62	6	0.161	6.17	72	6	0.232	7.69	86
3½	90	9	0.232	7.69	86	6	0.161	6.08	70	6	0.214	7.19	84	3	0.180	6.10	52
4	100	9	0.232	7.69	82	6	0.161	6.08	68	6	0.214	7.10	82	3	0.180	5.49	51
4½	115	6	0.232	6.10	65	6	0.214	7.10	9	3	0.144	5.22	50	3	0.145	5.22	51
5	125	6	0.180	6.10	61	6	0.214	7.10	76	3	0.144	5.22	48	3	0.144	6.08	56
6	150	6	0.180	6.10	68	6	0.202	7.73	87	3	0.144	5.22	52	3	0.161	6.08	61
7	175	6	0.180	7.63	72	6	0.222	8.45	87	3	0.145	5.49	53	3	0.183	6.59	67
8	200	6	0.202	8.45	85	3	0.144	5.22	52	3	0.161	6.08	62	3	0.231	7.14	72
9	225	6	0.278	9.31	93	3	0.160	5.78	57	3	0.161	6.17	67	3	0.232	7.69	78
10	250	3	0.160	5.78	51	3	0.161	6.08	60	3	0.183	6.59	70	3	0.232	7.69	82
11	275	3	0.161	6.08	53	3	0.183	6.88	65	3	0.231	7.24	75	3	0.264	8.87	87
12	300	3	0.183	6.59	58	3	0.231	7.14	68	3	0.247	7.98	81	3	0.265	9.19	93
14	350	3	0.231	7.14	60	3	0.232	7.79	72	3	0.265	9.19	84	1.5	0.183	6.59	49
15	375	3	0.232	7.69	63	3	0.264	8.87	75	3	0.265	9.19	80	1.5	0.231	7.14	51
16	400	-	-	-	-	3	0.265	8.35	80	3	0.266	9.64	92	1.5	0.232	7.69	56
17	425	-	-	-	-	3	0.266	9.51	83	3	0.285	10.48	95	1.5	0.247	7.98	57
18	450	-	-	-	-	3	0.285	10.48	85	3	0.247	7.98	52	1.5	0.264	8.87	59
19	475	-	-	-	-	1.5~	0.247~	7.98~	47~	1.5	0.264	8.87	54	1.5	0.265	9.19	62
20	500	-	-	-	-	-	-	-	-	1.5	0.265	9.19	56	1.5	0.266	9.51	64

**Calcium Silicate Block Insulation**

I.D. Pipe Size (in) (mm)	1" (25 mm) Thick				1½" (38 mm) Thick				2" (51 mm) Thick				2½" (64 mm) Thick			
	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft/ Carton	Load Factor	Cube/ Carton	Lbs./ Carton
Flat																
6" (152)	54	0.144	5.22	77	36	0.144	5.22	77	27	0.144	5.22	77	21	0.144	5.22	75
12" (305)	54	0.144	5.22	77	36	0.144	5.22	77	27	0.144	5.22	77	21	0.144	5.22	75
18" (457)	-	-	-	-	36	0.144	5.22	77	27	0.144	5.22	77	22.5	0.144	5.22	75
3-V																
12" (305)	-	-	-	-	36	0.144	5.22	77	27	0.144	5.22	77	21	0.144	5.22	75
18" (457)	-	-	-	-	36	0.144	5.22	77	27	0.144	5.22	77	22.5	0.144	5.22	75

**Factory Nested/Double Layer, continued**

I.D. Pipe Size (in) (mm)	3" (76 mm) Thick				3½" (89 mm) Thick				4" (102 mm) Thick				
	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
½	15	6*	0.183*	6.59*	79*	6*	0.232*	7.69*	93*	6*	0.231*	7.14*	93*
¾	20	6*	0.183*	6.59*	80*	6*	0.232*	7.69*	93*	3*	0.180*	6.10*	52*
1	25	6	0.183	6.59	78	6	0.232	7.69	92	3	0.180	6.10	56
1¼	32	6	0.232	7.69	90	6	0.232	7.69	92	3	0.180	6.10	56
1½	40	6	0.232	7.69	91	3	0.180	6.10	56	3	0.180	6.10	63
2	50	6	0.232	7.69	90	3	0.180	6.10	55	3	0.180	6.10	63
2½	65	3	0.180	6.10	45	3	0.180	6.10	54	3	0.180	6.10	62
3	80	3	0.180	6.10	53	3	0.180	6.10	61	3	0.180	6.10	69
3½	90	3	0.180	6.10	60	3	0.180	6.10	69	3	0.202	7.63	79
4	100	3	0.180	6.10	59	3	0.180	6.10	67	3	0.202	7.63	78
4½	115	3	0.180	6.10	57	3	0.202	7.63	71	3	0.202	7.63	77
5	125	3	0.180	6.10	64	3	0.202	7.63	75	3	0.202	7.63	85
6	150	3	0.202	7.63	72	3	0.202	7.63	81	3	0.222	8.45	91
7	175	3	0.232	7.69	77	3	0.202	7.63	87	1.5	0.160	5.78	50
8	200	3	0.232	7.69	83	1.5	0.160	5.78	47	1.5	0.160	5.76	54
9	225	3	0.247	7.98	89	1.5	0.160	5.78	51	1.5	0.161	6.08	56
10	250	1.5	0.160	5.78	48	1.5	0.161	6.08	53	1.5	0.183	6.59	60
11	275	1.5	0.161	6.08	50	1.5	0.161	6.08	57	1.5	0.231	7.14	63
12	300	1.5	0.183	6.59	54	1.5	0.231	7.14	60	1.5	0.232	7.69	68
14	350	1.5	0.231	7.14	56	1.5	0.232	7.69	64	1.5	0.247	9.31	70
15	375	1.5	0.232	7.69	60	1.5	0.232	7.69	65	1.5	0.264	8.87	73
16	400	1.5	0.247	7.98	61	1.5	0.264	8.87	69	1.5	0.265	9.19	76
17	425	1.5	0.264	8.87	64	1.5	0.266	9.51	72	1.5	0.285	10.48	79
18	450	1.5	0.265	9.19	67	1.5	0.266	9.51	75	1.5	0.285	10.48	83
19	475	1.5	0.266	9.51	71	1.5	0.285	10.48	79	-	-	-	-
20	500	1.5	0.285	10.48	73	-	-	-	-	-	-	-	-

\* Triple layer/nested.

**Calcium Silicate Block Insulation, continued**

I.D. Pipe Size (in) (mm)	1" (25 mm) Thick				1½" (38 mm) Thick				2" (51 mm) Thick				
	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
Flat													
6"	(152)	18	0.144	5.22	77	15	0.144	5.22	75	12	0.144	5.22	70
12"	(305)	18	0.144	5.22	77	15	0.144	5.22	75	12	0.144	5.22	70
18"	(457)	18	0.144	5.22	77	18	0.144	5.22	84	13.5	0.144	5.22	75
3-V													
12"	(305)	18	0.144	5.22	77	15	0.144	5.22	75	12	0.144	5.22	70
18"	(457)	18	0.144	5.22	77	18	0.144	5.22	84	13.5	0.144	5.22	75

**Quad Pipe Insulation\***

I.D. Pipe Size (in) (mm)	1½" (38 mm) Thick				2" (51 mm) Thick				2½" (64 mm) Thick				3" (76 mm) Thick				
	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
20	500	3	0.144	5.22	38	3	0.144	5.22	51	3	0.214	7.10	68	3	0.202	7.63	79
21	525	3	0.144	5.22	40	3	0.145	5.49	55	3	0.202	7.63	68	3	0.202	7.63	82
22	550	3	0.144	5.22	41	3	0.145	5.49	57	3	0.214	7.10	71	3	0.278	9.31	86
23	575	3	0.144	5.22	43	3	0.214	7.10	56	3	0.278	9.31	78	3	0.278	9.31	89
24	600	6	0.278	9.31	88	3	0.214	7.10	60	3	0.278	9.31	77	3	0.278	9.31	92
25	625	3	0.161	6.08	48	3	0.214	7.10	63	1.5	0.160	5.78	40	1.5	0.161	6.08	49
26	650	3	0.161	6.08	48	3	0.232	7.69	65	1.5	0.160	5.78	42	1.5	0.161	6.08	52
27	675	3	0.161	6.08	48	3	0.264	8.87	68	1.5	0.161	6.08	43	1.5	0.161	6.08	52
28	700	3	0.183	6.59	52	3	0.264	8.87	69	1.5	0.183	6.59	45	1.5	0.183	6.59	55
29	725	3	0.183	6.59	53	3	0.264	8.87	71	1.5	0.231	7.14	46	1.5	0.231	7.14	55
30	750	3	0.183	6.59	55	3	0.264	8.87	73	1.5	0.231	7.14	48	1.5	0.231	7.14	58
31	775	3	0.183	6.59	56	3	0.264	8.87	76	1.5	0.231	7.14	49	1.5	0.232	7.69	59
32	800	3	0.231	7.14	59	3	0.265	9.19	79	1.5	0.232	7.69	51	1.5	0.247	7.98	61
33	825	3	0.232	7.69	60	3	0.265	9.19	79	1.5	0.247	7.98	52	1.5	0.264	8.87	63
34	850	3	0.232	7.69	60	3	0.265	9.19	82	1.5	0.265	9.19	54	1.5	0.265	9.19	64
35	875	3	0.264	8.87	63	3	0.266	9.51	84	1.5	0.266	9.51	55	1.5	0.265	9.19	66
36	900	3	0.264	8.87	65	3	0.285	10.48	86	1.5	0.266	9.51	57	1.5	0.266	9.51	69
37	92	3	0.265	9.19	67	3	0.285	10.48	89	1.5	0.285	10.48	59	1.5	0.266	9.51	69

\*Available from Mesa, CO and Ruston, LA plants.

**Hex Pipe Insulation\*\***

I.D. Pipe Size (in) (mm)	1½" (38 mm) Thick				2" (51 mm) Thick				2½" (64 mm) Thick				3" (76 mm) Thick				
	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	Ln.Ft./ Carton	Load Factor	Cube/ Carton	Lbs./ Carton	
38	950	3	0.232	7.69	69	2	0.161	6.08	62	1.5	0.160	5.56	60	1.5	0.183	6.59	71
39	975	3	0.232	7.69	71	2	0.161	6.08	65	1.5	0.160	5.56	61	1.5	0.232	7.69	73
40	1000	3	0.232	7.69	73	2	0.161	6.08	66	1.5	0.161	6.08	63	1.5	0.232	7.69	75
41	1025	3	0.232	7.69	74	2	0.161	6.08	67	1.5	0.183	6.59	64	1.5	0.232	7.69	77
42	1050	3	0.232	7.69	76	2	0.183	6.59	69	1.5	0.183	6.59	65	1.5	0.232	7.69	78
43	1075	3	0.232	7.69	77	2	0.183	6.59	70	1.5	0.183	6.59	67	1.5	0.232	7.69	80
44	1100	3	0.232	7.69	79	2	0.231	7.14	72	1.5	0.231	7.14	68	1.5	0.232	7.69	81
45	1125	3	0.232	7.69	81	2	0.231	7.14	72	1.5	0.231	7.14	69	1.5	0.232	7.69	83
46	1150	3	0.264	8.87	82	2	0.231	7.14	74	1.5	0.231	7.14	71	1.5	0.264	8.87	85
47	1175	3	0.264	8.87	84	2	0.231	7.14	76	1.5	0.231	7.14	72	1.5	0.264	8.87	86
48	1200	3	0.264	8.87	85	2	0.231	7.14	77	1.5	0.247	7.98	73	1.5	0.264	8.87	88
49	1225	3	0.264	8.87	87	2	0.232	7.69	79	1.5	0.264	8.87	75	1.5	0.265	9.19	89
50	1250	3	0.264	8.87	89	2	0.264	8.87	80	1.5	0.264	8.87	76	1.5	0.265	9.19	91
51	1275	3	0.264	8.87	90	2	0.264	8.87	82	1.5	0.265	9.19	77	1.5	0.265	9.19	93
52	1300	3	0.264	8.87	92	2	0.264	8.87	83	1.5	0.265	9.19	79	1.5	0.266	9.51	95

\*\*Available from the Ruston, LA plant only.



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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the MinWool-1200® listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

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