



Fibreglass Preformed Pipe Sections – Thermal Resistance (R Values)

Testing in compliance with AS/NZS 4859.1 via ASTM C518

IRON 80kg/m ³		Wall Thickness (mm)								
NB (mm)	ID (mm)	19	25	38	50	63	75	88	100	125
15	22	0.94	1.33	2.29	3.27					
20	27	0.89	1.26	2.15	3.07	4.15				
25	34	0.84	1.19	2.02	2.87	3.87	4.85			
32	43	0.80	1.12	1.89	2.68	3.61	4.53			
40	49	0.78	1.09	1.83	2.59	3.48	4.36	5.36		
50	61	0.75	1.04	1.73	2.44	3.27	4.09	5.03	5.93	
65	77	0.72	0.99	1.64	2.30	3.07	3.83	4.70	5.54	
80	90	0.70	0.97	1.59	2.22	2.95	3.68	4.50	5.30	
100	116	0.68	0.93	1.51	2.10	2.78	3.45	4.21	4.95	6.57
125	144	0.67	0.90	1.46	2.01	2.65	3.28	3.99	4.68	6.20
150	171	0.66	0.89	1.42	1.95	2.56	3.16	3.84	4.49	5.93
200	222	0.64	0.86	1.37	1.87	2.44	3.00	3.63	4.24	5.56
250	276	0.63	0.85	1.34	1.82	2.36	2.89	3.48	4.05	5.30
300	328		0.84	1.32	1.78	2.31	2.81	3.38	3.93	5.12
350	358			1.31	1.76	2.28	2.78	3.34	3.87	5.03
400	408			1.29	1.74	2.25	2.73	3.27	3.79	4.91
450	458			1.28	1.72	2.22	2.69	3.22	3.73	4.82
500	508			1.27	1.71	2.19	2.66	3.18	3.67	4.74
600	610			1.26	1.68	2.16	2.61	3.11	3.59	4.62

COPPER 80kg/m ³		Wall Thickness (mm)								
NB (mm)	ID (mm)	19	25	38	50	63	75	88	100	125
15	16	1.03	1.46	2.51	3.59					
20	23	0.93	1.32	2.26	3.22					
25	29	0.88	1.24	2.11	3.01	4.06				
32	35	0.84	1.18	2.00	2.85	3.84	4.81			
40	42	0.81	1.13	1.90	2.70	3.64	4.56			
50	55	0.76	1.06	1.78	2.51	3.37	4.21	5.18		
65	68	0.74	1.02	1.69	2.37	3.18	3.97	4.87	5.74	
80	80	0.72	0.99	1.63	2.28	3.04	3.80	4.65	5.48	
100	106	0.69	0.94	1.54	2.14	2.84	3.53	4.31	5.07	6.74
125	131	0.67	0.91	1.48	2.05	2.71	3.35	4.09	4.79	6.36
150	157	0.66	0.89	1.44	1.98	2.61	3.22	3.91	4.58	6.06

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