

Determination of Normalised Strength from the Declared Mean Compressive Strength of a Masonry Unit

Conversion to an equivalent air dry conditioning regime

Type of unit	Conversion factor	
Clay	1.0	
Calcium Silicate	0.8	
Concrete	1.0	
Autoclaved Aerated Concrete	1.0	
Manufactured Stone (conditioned clause 7.3.2.)	1.0	For full information see BS EN 772-1
Manufactured Stone (conditioned clause 7.3.5.)	1.2	For full information see BS EN 772-1
Stone	0.8	

Shape Factors for Normalised Strength

Height mm	Width mm (Historically called Thickness for some UK masonry units)											
	50	75	90	100	115	125	140	150	200	215	225	≥250
40	0.80	0.75	0.72	0.70								
50	0.85	0.80	0.77	0.75	0.74	0.73	0.71	0.70				
65	0.95	0.90	0.87	0.85	0.82	0.80	0.77	0.75	0.70	0.69	0.68	0.65
100	1.15	1.08	1.03	1.00	0.97	0.95	0.92	0.90	0.80	0.79	0.78	0.75
140	1.27	1.22	1.18	1.16	1.13	1.11	1.08	1.06	0.96	0.95	0.94	0.91
150	1.30	1.25	1.22	1.20	1.17	1.15	1.12	1.10	1.00	0.99	0.98	0.95
190	1.42	1.37	1.34	1.32	1.29	1.27	1.24	1.22	1.12	1.11	1.10	1.07
200	1.45	1.40	1.37	1.35	1.32	1.30	1.27	1.25	1.15	1.14	1.13	1.10
215	1.48	1.43	1.40	1.38	1.35	1.33	1.30	1.28	1.18	1.16	1.15	1.12
≥250	1.55	1.50	1.47	1.45	1.42	1.40	1.37	1.35	1.25	1.22	1.20	1.15

Linear interpolation between values is permitted.