DESIGN NOTE 5:Shape factors for Normalised Strength

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**	**190**	**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	0.71	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	0.82	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	0.98	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	1.02	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	1.14	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	1.17	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	1.20	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	1.27	1.25	1.22	1.20	1.15

Linear interpolation between values is permitted.

NOTE: The BS EN 771 series requires masonry unit manufactures to declare the strength of the unit in the air dry condition and it is not necessary for the designer to apply any correction for the moisture content of the units at test