

Monacrete Blocks - Table 1
Standard Compressive Strength

Block Description	Size 440x215x	Form	Standard Compressive Strength N/ mm ²
Monacrete 100	100	Cellular	3.5
Monacrete 100S	100	Solid	7.0
Monacrete 140	140	Cellular	7.0
Monacrete 140S	140	Solid	7.0
Monacrete 200	200	Hollow	3.5
Monacrete 200S	200	Solid	7.0
Monacrete 215	215	Hollow	7.0
Monacrete 215S	215	Solid	7.0
Midcrete 140S	290x215x140	Solid	7.0

Higher compression strengths area available
The minimum average compressive strengths are shown above

Monacrete Blocks - Table 2
Thermal Resistance

Block Description	Form	Thermal Resistance	
		3% m ² K/ W	5% m ² K/ W
Monacrete 100	Cellular	0.165	0.137
Monacrete 100S	Solid	0.078	0.073
Monacrete 140	Cellular	0.215	0.204
Monacrete 140S	Solid	0.124	0.116
Monacrete 200	Hollow	0.344	0.317
Monacrete 200S	Solid	0.164	0.153
Monacrete 215	Hollow	0.416	0.400
Midcrete 140S	Solid	0.124	0.116

Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.

Monacrete Blocks - Table 3

Unit Weights*

Block Description	Unit Weight (kg)	Weight laid kg/m ²
Monacrete 100	13.0	146
Monacrete 100S	18.5	196
Monacrete 140	17.5	186
Monacrete 140S	26.0	271
Monacrete 200	25.0	260
Monacrete 200S	39.0	406
Monacrete 215	23.0	246
Monacrete 215S	40.0	411
Midcrete 140S	17.0	283

* Laid weight includes assumed weight of 10.6Kg/m² of mortar. Weights are approximate and can vary according to moisture content.

Table 4

Fire Resistance (hrs)

Load Bearing
2
2
2
3
2
6
2
6
3

The notional fire resistance figures assume load bearing single leaf unplastered work.

Monacrete Blocks - Table 5

Sound Reduction RwdB

Block Description	Dense Plaster	Dry Lined
Monacrete 100	42	42
Monacrete 100S	43	42
Monacrete 140	43	42
Monacrete 140S	48	47
Monacrete 200	47	46
Monacrete 200S	52	51
Monacrete 215	49	48
Monacrete 215S	52	51
Midcrete 140S	48	47

These are the estimated Average Sound Reduction indices (100 - 3150Hz) of the blocks with a 13mm plaster finish applied on both room faces. These figures are provided for guidance purposes only. Mona Precast reserve the right to revise product specification without notice. The information given is correct to the best of our knowledge at the time of publication, but it is the users responsibility to ensure it remains current prior to use.