

Beam and Block Load/Span Table T225

155mm deep T beam (1 hour fire resistance) Medium Density Infill blocks 1450kg/m ³				Maximum Clear Span* in metres below allows for the characteristic live loads as stated + Self weight +1.8 kN/m ² (75mm Screed) finishes + 1.00 kN/m ² partition allowance								
Beam centres (mm)		Block Spacing ¹	Self-Weight (kN/m ²)	Imposed Live Load kN/m ²								
				0.75	1.50	2.00	2.5	3.00	4.00	5.00	7.50	
	510	W	1.78	3.75	3.50	3.30	3.20	3.05	2.85	2.70	2.35	
	398	A	1.88	4.20	3.90	3.75	3.60	3.45	3.25	3.05	2.70	
	285	N	2.06	4.95	4.60	4.40	4.20	4.15	3.80	3.60	3.15	
	620	DW	2.11	4.70	4.40	4.20	4.05	3.90	3.65	3.45	3.05	
	508	DA	2.26	5.15	4.80	4.60	4.45	4.25	4.00	3.80	3.35	
	395	DN	2.50	5.70	5.35	5.15	4.95	4.80	4.50	4.25	3.75	
	505	TN	2.75	6.10	5.70	5.50	5.30	5.10	4.80	4.75	4.05	

* Clear span between supporting walls

¹ W = wide (440mm) A = Alternate (440+215) N = Narrow (215mm)

DW = Double beams Wide

DA = Double beams Alternate

DN = Double beams Narrow

TN = Triple beams Narrow

Beam and Block Load/Span Table T225

225mm deep T beam (1 hour fire resistance) Medium Density Infill blocks 1450kg/m ³				Maximum Clear Span* in metres below allows for the characteristic live loads as stated + Self weight +1.8 kN/m ² (75mm Screed) finishes + 1.00 kN/m ² partition allowance							
Beam centres (mm)		Block Spacing	Self-Weight (kN/m ²)	Imposed Live Load kN/m ²							
				0.75	1.50	2.00	2.5	3.00	4.00	5.00	7.50
	510	W	2.07	5.15	4.80	4.65	4.45	4.35	4.05	3.85	3.45
	398	A	2.26	5.75	5.40	5.20	5.00	4.85	4.55	4.35	3.85
	285	N	2.59	6.60	6.25	6.00	5.80	5.65	5.35	5.05	4.55
	620	DW	2.60	6.35	5.95	5.75	5.55	5.40	5.10	4.85	4.35
	508	DA	2.86	6.85	6.50	6.25	6.05	5.90	5.55	5.30	4.75
	395	DN	3.27	7.55	7.15	6.95	6.75	6.55	6.20	5.90	5.30
	505	TN	3.65	7.95	7.60	7.35	7.15	6.95	6.60	6.30	5.70

* Clear span between supporting walls

' W = wide (440mm) A = Alternate (440+215) N = Narrow (215mm)

DW = Double beams Wide

DA = Double beams Alternate

DN = Double beams Narrow

TN = Triple beams Narrow