

# BEAM AND BLOCK SOLUTIONS

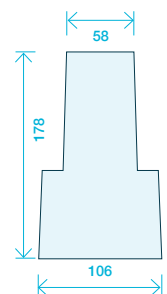
The traditional beam and block flooring system involves laying precast, prestressed concrete beams across or between walls, which are then infilled with concrete blocks. FP McCann manufactures 178mm deep floor beams, with a width of 106mm and spans of up to 4 metres can be achieved, depending on loading conditions.

This dry construction method can be used to produce high quality economic ground and upper floors in residential and other building types.

Did you know that 75% of ground floors now utilise beam and block of some form? This could either be with a concrete block or a polystyrene panel.



Span Load Table - 178mm Deep T Beam		Finishes = 1.5kN/m <sup>2</sup>					
		Superimposed load in kN/m <sup>2</sup>					
Floor case (based on 1400kg/m <sup>3</sup> block density)	Floor self weight kN/m <sup>2</sup>	1.5	2	2.5	3	4	5
178 DEEP T BEAM		Maximum clear span (m)					
Single beam - full block	1.89	4.62	4.4	4.2	4	3.73	3.5
Single beam - full block/narrow block, alternate	2.03	5.2	4.95	4.725	4.5	4.2	3.95
Single beam - narrow block	2.29	6	5.75	5.5	5.3	4.92	4.5



## KEY BENEFITS

- Quick installation
- Helps to eliminate problems associated with soil heave and shrinkage
- Excellent acoustic performance and fire resistance properties