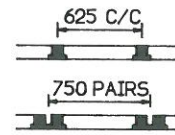
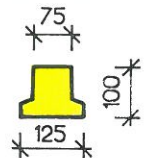
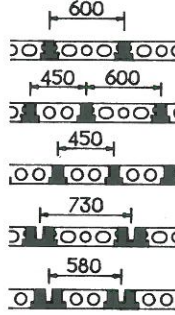
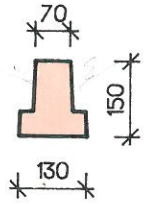
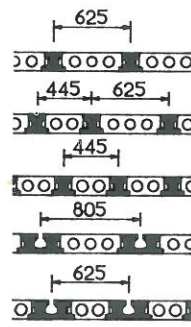
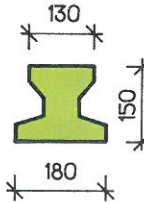
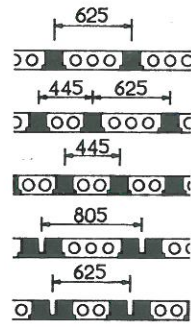
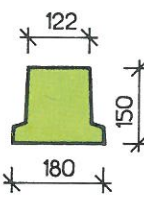
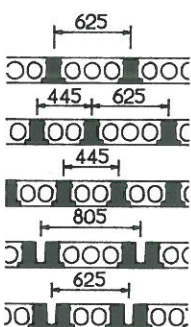
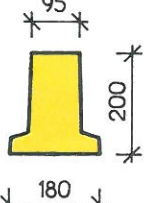
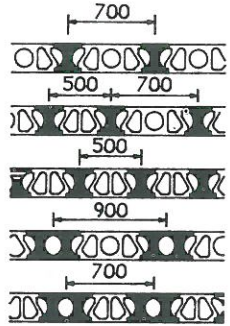
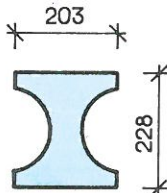


# Span/load charts

# CONSTRUCTION DETAILS

\*WEIGHTS ASSUME VOID BETWEEN JOISTS FILLED WITH CONCRETE OR STIFF GROUT

	CONSTRUCTION SELF WEIGHT kN/m <sup>2</sup>	FIRE RESISTANCE WITHOUT A SCREED OR SOFFIT FINISH	PRINCIPAL DIMENSIONS (mm)	BASIC PROPERTIES	
				SERVICE MOMENTS = Ms	
<b>BC 100</b> 	1.70	Average cover to wires = Cav Effective thickness = te		Joist weight = 22.07 kg/m	
	1.82 *	Cav = 25mm te = 98mm MIN Fire rating = 0.5 or 1.0h		Ms (kNm) = 2.50 Mu (kNm) = 3.73 Vco (kN) = 15.07	
<b>BC LWT (150)</b> 	1.81	Cav = 20mm te = 121mm MIN Fire rating = 0.5 h		Joist weight = 33.46 kg/m Ms (kNm) = 6.85 Mu (kNm) = 11.33 Vco (kN) = 23.61	
	1.90				
	2.03				
	2.13 *				
	2.39 *				
<b>BC 150</b> 	2.16	Cav = 27.5mm te = 128mm MIN Fire rating = 0.5 or 1.0 h		Joist weight = 43.00 kg/m Ms (kNm) = 10.94 Mu (kNm) = 17.04 Vco (kN) = 25.38	
	2.19				
	2.22				
	2.49 *	Special joists			Special cantilever joists Cantilever moment = 6.25 kNm Ms (kNm) = 6.27
	2.61 *	Cav = 30.6mm Fire rating = 1.5 h			
<b>BC HWT (150)</b> 	2.28	Cav = 30.9mm te = 130mm MIN Fire rating = 0.5, 1.0 or 1.5 h		Joist weight = 50.00 kg/m Ms (kNm) = 10.30 Mu (kNm) = 15.99 Vco (kN) = 41.23	
	2.32				
	2.37				
	2.57 *				
	2.72 *				
<b>BC 200</b> 	2.39	Cav = 36mm te = 153mm MIN Fire rating = 1.0 or 1.5 h		Joist weight = 55.00 kg/m Ms (kNm) = 15.70 Mu (kNm) = 24.37 Vco (kN) = 42.92	
	2.49				
	2.63				
	2.92 *				
	3.24 *				
<b>BC 228</b> 	2.62	Cav = 41.5mm te = 173mm MIN Fire rating = 1.5 or 2.0 h		Joist weight = 70.00 kg/m Ms (kNm) = 29.86 Mu (kNm) = 43.50 Vco (kN) = 33.83	
	2.67				
	2.73				
	2.81				
	2.94				