



## STEEL AND SYNTHETIC FIBRE REINFORCED CONCRETE SLAB ON GRADE GUIDE ONLY

Conventional Mesh			Steel Fibre				Synthetic Fibre	
Reinforced Concrete			Reinforced Concrete				Reinforced Concrete	
Thickness	Top mesh reo	Concrete	Thickness	Reoco 80/60	Reoco 65/60	Reoco 50/50	Thickness	Ferro
100mm	SL72,SL82,SL92	32 Mpa	100mm	15kgs/m3	20kgs/m3	25kgs/m3	100mm	3kgs/m3
110mm	SL72,SL82,SL92	32 Mpa	100mm	15kgs/m3	20kgs/m3	25kgs/m3	110mm	3kgs/m3
120mm	SL72,SL82,SL92	32 Mpa	110mm	15kgs/m3	20kgs/m3	25kgs/m3	120mm	3kgs/m3
130mm	SL72,SL82,SL92	32 Mpa	110mm	15kgs/m3	20kgs/m3	25kgs/m3	130mm	3kgs/m3
140mm	SL72,SL82,SL92	32 Mpa	120mm	15kgs/m3	20kgs/m3	25kgs/m3	140mm	3kgs/m3
150mm	SL72,SL82,SL92	32 Mpa	130mm	15kgs/m3	20kgs/m3	25kgs/m3	150mm	3kgs/m3
160mm	SL72,SL82,SL92	32 Mpa	140mm	15kgs/m3	20kgs/m3	25kgs/m3	160mm	3kgs/m3
170mm	SL72,SL82,SL92	32 Mpa	150mm	15kgs/m3	20kgs/m3	25kgs/m3	170mm	3kgs/m3
180mm	SL72,SL82,SL92	32 Mpa	160mm	15kgs/m3	20kgs/m3	25kgs/m3	180mm	3kgs/m3
190mm	SL72,SL82,SL92	32 Mpa	170mm	15kgs/m3	20kgs/m3	25kgs/m3	190mm	3kgs/m3
200mm	SL72,SL82,SL92	32 Mpa	180mm	15kgs/m3	20kgs/m3	25kgs/m3	200mm	3kgs/m3

1. SFRC proposals in accordance with UK Concrete Society Technical Report (TR34) - Design and Construction of Concrete Industrial Ground Floors, 1994
2. SynFRC proposals in accordance with UK Concrete Society Technical Report (TR65) - Guidance on the use of Macro-Synthetic Fibre, April 2007
3. Subgrade must have a minimum CBR value of 3%
4. It is essential that the subgrade be "proof rolled" in order to detect any soft spots and that serious consideration be given to the use of a suitable subbase, especially on expansive soils or fine grained soils prone to pumping.
5. Maximum panel size (joint spacings) : 8m x 8m internal slabs and 6m x 6m for external slabs
6. Construction joints to be maximum of 30m x30m, type as per conventional
7. Control joints to be sawcuts 3mm wide and d/3 mm deep for SFRC and d/4mm for SynFRC and cut within 24hrs

\*Fibre equivalents are indicative only and to be used for quoting purposes.

\*\* Verification of site specific design data from the design consultant or Reoco Representative required

Rev 1, August 2009