

## READYMIXED CONCRETE

### DESIGNATED MIXES RECOMMENDED FOR AGRICULTURAL APPLICATIONS

Application	Mix Designation	Recommended Consistence Class
<b>Concrete in non-aggressive soils</b>		
Unreinforced foundations	GEN 1 <sup>(1)</sup>	S3/4
Reinforced foundations	RC 28/35	S2
Oversite concrete	GEN 1	S3/4
Blinding under slabs	GEN 1	S2 <sup>(2)</sup>
Mass concrete (non structural)	GEN 1 <sup>(1)</sup>	S2
Column bases	RC 28/35	S2
<b>Foundations in Sulphate bearing soils</b>		
DC-2	FND 2	S3
DC-2z	FND 2z	S3
DC-3	FND 3	S3
DC-3z	FND 3z	S3
DC-4	FND 4	S3
DC-4z	FND 4z	S3
DC-4m	FND 4m	S3
<b>Floors &amp; Roads</b>		
Livestock floors	RC 28/35	S3 <sup>(2)</sup>
Stable floors	RC 35/45 <sup>(3)</sup>	S3 <sup>(2)</sup>
Crop store floors	RC 28/35	S3 <sup>(2)</sup>
Floors & walls for silage	RC 40/45 <sup>(3)(4)</sup>	S3 <sup>(2)</sup>
Sugar beet storage areas	RC 32/40 <sup>(5)</sup>	S3 <sup>(2)</sup>
Workshop & floors subject to small wheeled forklift trucks	RC 32/40	S3 <sup>(2)</sup>
Brewers' grain stores	RC 40/45	S3 <sup>(2)</sup>
Mushroom sheds	RC 32/40	S3 <sup>(2)</sup>
Toppings for floors such as parlours and dairies	RC 40/45 <sup>(3)(6)</sup>	S3 <sup>(2)</sup>
Floors and walls for manure & slurry stores	RC 32/40 <sup>(4)</sup>	S3 <sup>(2)</sup>
External yards and roads subject to occasional de-icing salts	PAV 1	S3 <sup>(2)</sup>
External yards and roads subject to heavy traffic and de-icing salts	PAV 2	S3 <sup>(2)</sup>
<b>Other Applications</b>		
Cavity infill to reinforced masonry	RC 32/40 <sup>(7)</sup>	S3
<b>Structural Reinforced concrete</b>		
For Structural Reinforced concrete applications please contact us to discuss your requirements or refer to BS 8500 Part 1.		
<b>Notes</b>		
<ol style="list-style-type: none"> <li>1. 40mm aggregate may be used in mass concrete or large foundations.</li> <li>2. When concreting steep slopes, in some cases an S1(25mm slump) concrete should be used. However this will require vibrating equipment to compact it adequately. On flat surfaces, S3 (125mm slump) concrete may be specified if the concrete is to be compacted by hand.</li> <li>3. In a few parts of the UK, local materials may not be suitable for the production of these high strength concretes. In such circumstances, Mix B in the Ministry of Agriculture's Standard Costs, Part 1.: Specification should be used.</li> <li>4. Similar to C35A. Meets the requirement of BS 8007 code of practice for design of concrete structures for retaining aqueous liquids demanded by the Control of Pollution Regulations 1991.</li> <li>5. Where the concrete is subject to even occasional de-icing salts, designated mix PAV 1 is recommended.</li> <li>6. Use low workability mixes for acid and abrasion resistance. Take care to ensure full compaction of the fresh concrete and proper curing for several days.</li> <li>7. Use 10mm aggregate for this application.</li> </ol>		
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