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## Calcium Carbonate

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Fine carboniferous limestone granules having an off white colour. The product is crushed and screened several times, then air classified to produce a material of high purity with a controlled level of fines. It is dried to give a very low moisture content.

### Typical Particle Size Distribution

Grade B.S. Sieve	Fine % passing	Medium % passing	Coarse % passing	Extra Coarse % passing
3.35 mm				100
1.70 mm				97
1.18 mm		100	100	80
600 microns			70	4
300 microns	100	90	5	0.7
150 microns	65	50	1	

### Typical Chemical Analysis

Calcium Carbonate	As	CaCO <sub>3</sub>	99.20
Magnesium	As	MgO	0.20
Silica	As	SiO <sub>2</sub>	0.20
Aluminium	As	Al <sub>2</sub> O <sub>3</sub>	0.04
Iron	As	Fe <sub>2</sub> O <sub>3</sub>	0.03
Moisture	As	H <sub>2</sub> O	0.05

### Process Control

The material is tested at a frequency related to the known variability of the product. The results of Laboratory tests and when appropriate in-production checks are used to control the process.

### Supply Options

The material is available in bulk, delivered by air discharge road tanker. It is also available in 50 kilo or 25 kilo paper sacks shrink wrapped on pallets.

### Storage

Material should be stored in a dry place.

### Health & Safety

Calcium Carbonate is non-flammable, non-irritant and of low toxicity. Respirable dust from any fine powders could, if inhaled over a prolonged period, constitute a health hazard. In use, protection is required to meet respirable dust threshold limit values of 5mg/m<sup>3</sup> and for total invaluable dust 10mg/m<sup>3</sup>. The user must establish any hazards present in the surface coatings being removed with Calcium Carbonate which may reduce the occupational exposure standard (O.E.S).

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