



PRODUCT SPECIFICATION

Calcium carbonate

A chemical compound with the chemical formula CaCO_3 and a common substance found in rock throughout the world. It is known by other names such as: Aragonite, Calcite, Chalk (blackboard chalk is calcium sulphate CaSO_4), Limestone, Marble, Travertine and Vaterite. Stan Chem distributes and supplies specialist grades of calcium carbonate fillers into various industries throughout Britain with varying micron sizes.

Calcium carbonate Fine grit

High quality pure carboniferous limestone pulverised and screened to produce an intermediate sized dried grit within a small size range.

Average Chemical Analysis by Oxford Analytical OX XRF Spectrometer

TEST	SPECIFICATION	
CaO	55.73	
Al_2O_3	0.03	
SiO_2	0.18	
Fe_2O_3	0.019	
Mg	0.19	
Grading % Passing BS410 - Test Sieves using Air Jet Sieve		
Typical Analysis	Max	Min
2.00 mm	-	98.00
1.70 mm	-	97.00
1.18 mm	-	95.00
1.00 mm	99.99	92.00
425 μm	55.00	20.00
600 μm	86.00	50.00
300 μm	35.00	5.00

Calcium carbonate Superfine grit

High quality pure carboniferous limestone pulverised and screened to produce a dry consistent fine product.

Average Chemical Analysis by Oxford Analytical OX XRF Spectrometer

TEST	SPECIFICATION	
CaO	55.73	
Al_2O_3	0.03	
SiO_2	0.18	
Fe_2O_3	0.019	
Mg	0.19	
Grading % Passing BS410 - Test Sieves using Air Jet Sieve		
Typical Analysis	Max	Min
150 μm	100.00	-
75 μm	100.00	98.00
45 μm	99.99	90.00

Bulk Density: 0.53 mt/m^3

Loss on ignition @ 1025°C: 42.5

Specific Gravity: 2.74

Oil Absorption per 100 gm: 26 ml

Surface Area: 1.0 (m^2/gm)

True Density: 2.71 gm/cm^3

XRF Chemical analysis by Ceram Research 2000

CaO (Calcium Carbonate, CaCO_3 – 99.68% 55.55

SiO_2 :0.17 ZrO_2 :<.02 TiO_2 :<0.01 Al_2O_3 :0.03 HfO_2 :<0.01 K_2O :<0.01 Fe_2O_3 : 0.02 SnO_2 :<0.01
 ZnO :<0.01 Na_2O :<0.03 MgO :0.18 BaO :<0.01 Cr_2O_3 :<0.01 SrO :0.01 Mn_3O_4 :<0.01 P_2O_5 :<0.02

Calcium carbonate Middle Cut

High quality pure carboniferous limestone pulverised and screened to produce an intermediate sized dried grit within a small size range.

Average Chemical Analysis by Oxford Analytical OX XRF Spectrometer

TEST	SPECIFICATION
-------------	----------------------

CaO	55.58
Al ₂ O ₃	0.09
SiO ₂	0.21
Fe ₂ O ₃	0.015
Mg	0.20

Grading % Passing BS410 - Test Sieves using Air Jet Sieve

Typical Analysis	Max	Min
1.00 mm	-	99.90
500 ym	99.90	98.00
300 ym	95.00	70.00
150 ym	60.00	20.00
75 ym	28.00	3.00

Bulk Density: 1.11 mt/m³

Calcium carbonate Coarse

TEST	SPECIFICATION
-------------	----------------------

Al	0.2% Max
Ca	54.0% Min
Si	0.5% Max
Fe	0.05% Max

Other grades available upon request