

► CalPlex Extra

Characteristics

CalPlex Extra is a natural, ground calcium carbonate of exceptionally high purity. With an extremely fine particle size and bright colour it is used to produce paper and board showing pigment effects in aqueous systems. CalPlex Extra is also used for paints and lacquers, as well as in special areas of the plastics industry.

Physical characteristics

Brightness Y (ISO 2470)	96
Yellowness (ISO 2470)	< 1,8
Whiteness R457 (ISO 2470)	95
Oil absorption (ISO 787/5)	22,5 g/100 g
DOP absorption (ISO 787/5)	34,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,5 %
Bulk density (ISO 787/11)	0,4 g/ml
Density after tamping (ISO 787/11)	0,6 g/ml
Specific surface area (BET)	9,69 m ² /g
Hardness by Mohs	3

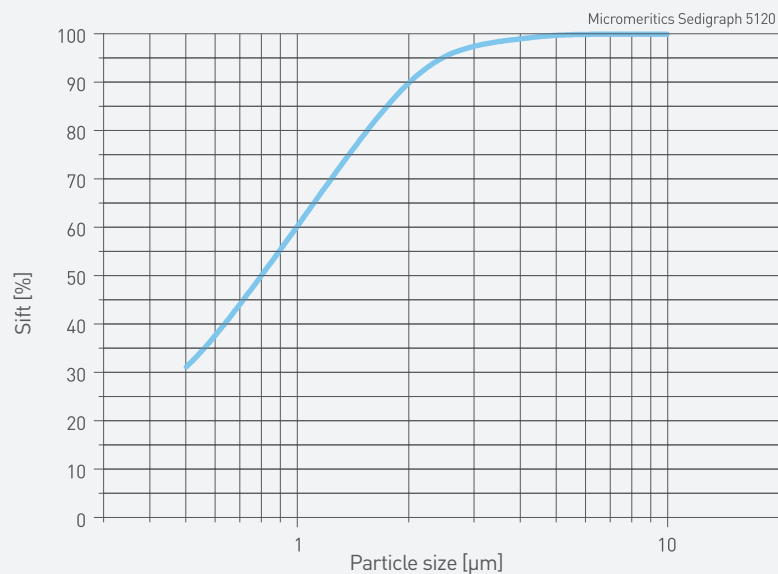
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	3,5 µm
D50%	0,75 - 0,9 µm
Q(2µm)	90 %

CalPlex Extra



► CalPlex 0

Characteristics

CalPlex 0 is a natural, ground calcium carbonate of exceptionally high purity. With an extremely fine particle size and bright colour it is used to produce paper and board showing pigment effects in aqueous systems. CalPlex 0 is mainly used in the production of paper and board, as well as for paints, lacquers and plastics.

Physical characteristics

Brightness Y (ISO 2470)	96
Yellowness (ISO 2470)	< 1,8
Whiteness R457 (ISO 2470)	95
Oil absorption (ISO 787/5)	22,3 g/100 g
DOP absorption (ISO 787/5)	33,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,4 %
Bulk density (ISO 787/11)	0,4 g/ml
Density after tamping (ISO 787/11)	0,6 g/ml
Specific surface area (BET)	9,45 m ² /g
Hardness by Mohs	3

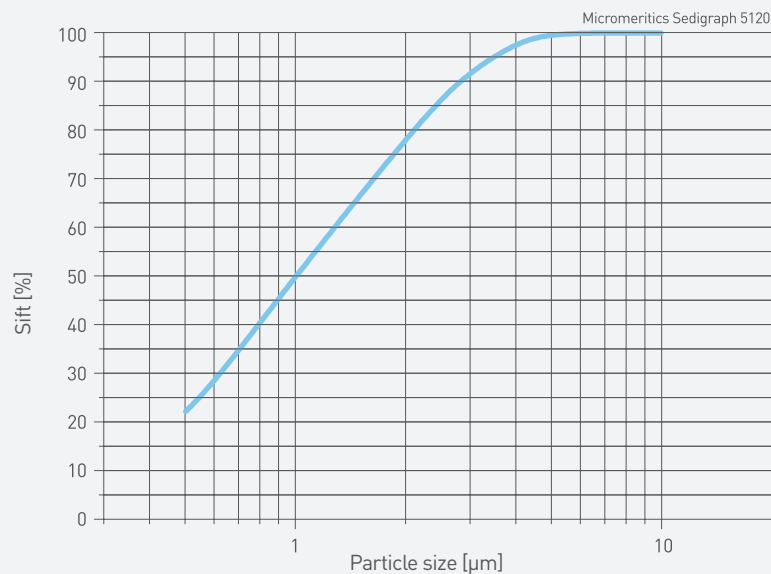
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	4,0 µm
D50%	0,9 - 1,1 µm
Q(2µm)	75 %

CalPlex 0



► CalPlex 1

Characteristics

CalPlex 1 is a natural, ground calcium carbonate of exceptionally high purity. With an extremely fine particle size distribution and high whiteness CalPlex 1 shows excellent performance in the production of paper, paints, lacquers and plastics.

Physical characteristics

Brightness Y (ISO 2470)	96
Yellowness (ISO 2470)	< 2,0
Whiteness R457 (ISO 2470)	95
Oil absorption (ISO 787/5)	21,4 g/100 g
DOP absorption (ISO 787/5)	31,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,4 %
Bulk density (ISO 787/11)	0,5 g/ml
Density after tamping (ISO 787/11)	0,7 g/ml
Specific surface area (BET)	6,34 m ² /g
Hardness by Mohs	3

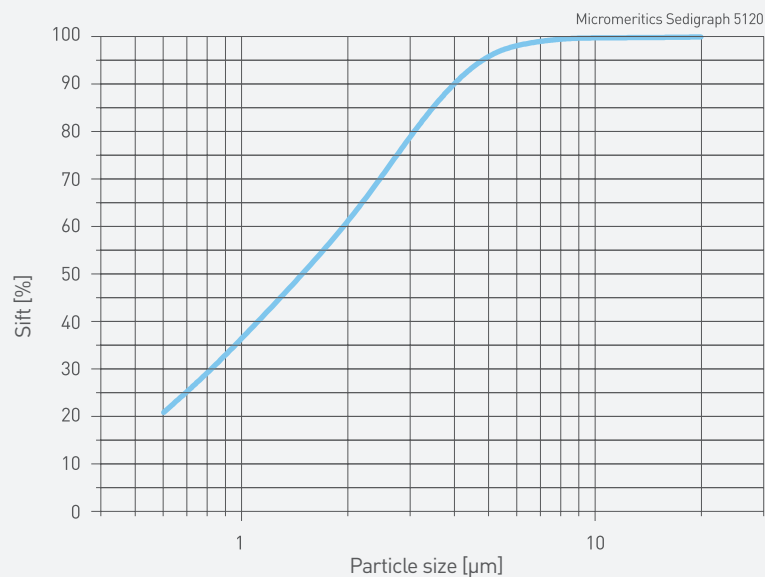
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	6,0 μm
D50%	1,4 - 1,8 μm
Q(2μm)	60 %

CalPlex 1



► CalPlex 2

Characteristics

CalPlex 2 is a natural, ground calcium carbonate of exceptionally high purity. With an extremely fine particle size distribution and high whiteness CalPlex 2 shows excellent performance in the production of paper, paints, lacquers and plastics.

Physical characteristics

Brightness Y (ISO 2470)	95
Yellowness (ISO 2470)	< 2,0
Whiteness R457 (ISO 2470)	94
Oil absorption (ISO 787/5)	19,5 g/100 g
DOP absorption (ISO 787/5)	30,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,3 %
Bulk density (ISO 787/11)	0,6 g/ml
Density after tamping (ISO 787/11)	0,8 g/ml
Specific surface area (BET)	4,87 m ² /g
Hardness by Mohs	3

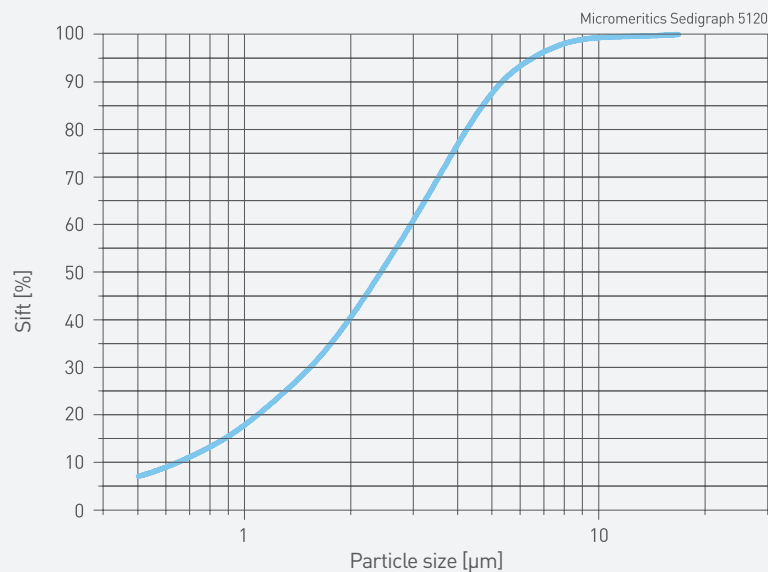
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	7,5 µm
D50%	2,0 - 2,6 µm

CalPlex 2



► CalPlex 5

Characteristics

CalPlex 5 is a natural, ground calcium carbonate of exceptionally high purity. Due to the optimal particle size distribution, CalPlex 5 has a low specific surface area. CalPlex 5 is used in the production of paints and lacquers, chemicals, rubber, artificial fibres, etc.

Physical characteristics

Brightness Y (ISO 2470)	93
Yellowness (ISO 2470)	< 3,0
Whiteness R457 (ISO 2470)	92
Oil absorption (ISO 787/5)	18,6 g/100 g
DOP absorption (ISO 787/5)	26,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,3 %
Bulk density (ISO 787/11)	0,75 g/ml
Density after tamping (ISO 787/11)	1,0 g/ml
Specific surface area (BET)	2,10 m ² /g
Hardness by Mohs	3

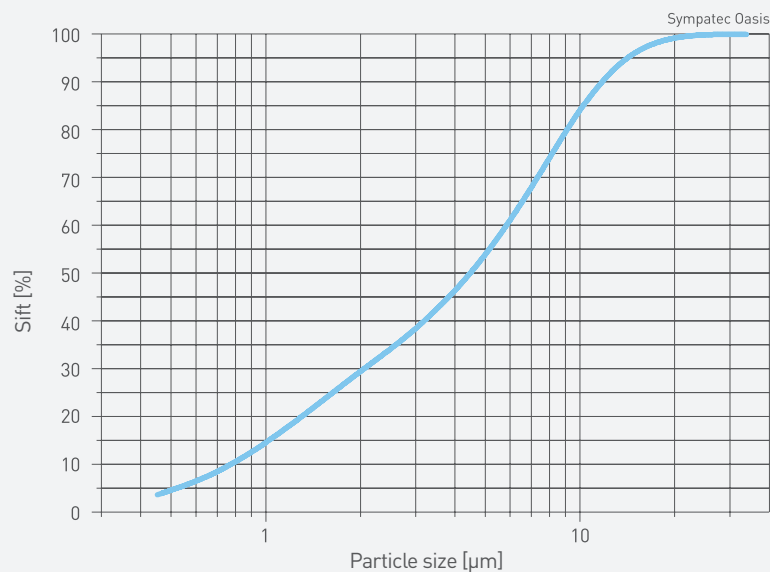
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	17,5 µm
D50%	4,0 - 4,5 µm
Residue on sieve 45µm	< 0,2 %

CalPlex 5



► CalPlex 15

Characteristics

CalPlex 15 is a natural, ground calcium carbonate of exceptionally high purity. Due to the optimal particle size distribution, Calplex 15 has a low specific surface area. It is used in the production of paints and lacquers, glass, floor tiling, rubber, etc.

Physical characteristics

Brightness Y (ISO 2470)	91
Yellowness (ISO 2470)	< 3,6
Whiteness R457 (ISO 2470)	89
Oil absorption (ISO 787/5)	17,5 g/100 g
DOP absorption (ISO 787/5)	26,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,2 %
Bulk density (ISO 787/11)	1,0 g/ml
Density after tamping (ISO 787/11)	1,2 g/ml
Specific surface area (BET)	0,75 m ² /g
Hardness by Mohs	3

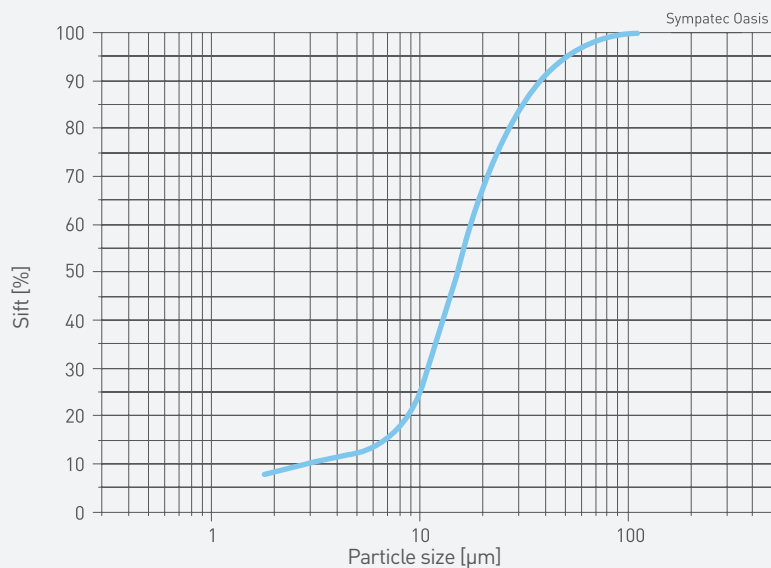
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	70,0 μm
D50%	12,0 - 16,0 μm
Residue on sieve 200μm	< 0,1 %

CalPlex 15



► CalPlex 40

Characteristics

CalPlex 40 is a natural, ground calcium carbonate of exceptionally high purity. The main areas of application of CalPlex 40 are plaster and adhesive production, sealants and fillers, cleaning products, floor coverings and other special areas of plastics processing. It is as well used in the ceramics industry.

Physical characteristics

Brightness Y (ISO 2470)	89
Yellowness (ISO 2470)	< 4,5
Whiteness R457 (ISO 2470)	88
Oil absorption (ISO 787/5)	17,0 g/100 g
DOP absorption (ISO 787/5)	24,0 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,2 %
Bulk density (ISO 787/11)	1,2 g/ml
Density after tamping (ISO 787/11)	1,4 g/ml
Specific surface area (BET)	0,67 m ² /g
Hardness by Mohs	3

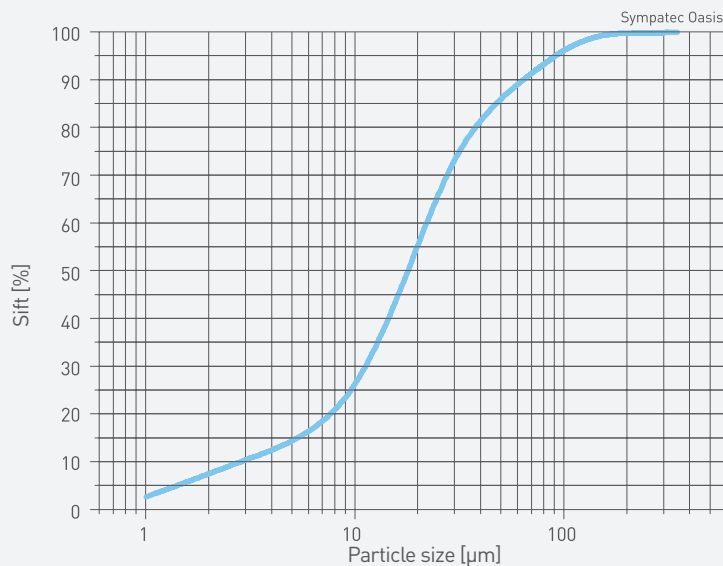
Chemical analysis

CaCO ₃	98 %
Fe ₂ O ₃	0,01 %
SiO ₂	0,02 %
Loss of ignition	42,8 %
HCl insoluble content	0,02 %

Particle size distribution

D98%	90,0 - 150,0 μm
D50%	16,0 - 25,0 μm
Residue on sieve 200μm	< 0,1 %

CalPlex 40



▶ CalPlex VP

Characteristics

CalPlex VP is a functional additive manufactured from natural calcium carbonate. CalPlex VP is applicable in agriculture for desulphurization and neutralization.

Physical characteristics

Oil absorption (ISO 787/5)	15,8 g/100 g
pH value (ISO 787/9)	9
Moisture (ISO 787/2)	< 0,2 %
Bulk density (ISO 787/11)	1,0 g/ml
Hardness by Mohs	3

Chemical analysis

CaCO ₃	98 %
MgCO ₃	1,5 %
Fe ₂ O ₃	0,02 %
Al ₂ O ₃	0,05 %
Insoluble in HCl	0,12 %
Loss of ignition	42,8 %

Particle size distribution

D98%	120,0 µm
D50%	9,0 - 12,0 µm

CalPlex VP

