

Product Information

CALCIUM CARBONATE #0, #325

PRODUCT DESCRIPTION

Calcium Carbonate (CaCO₃) is an acid soluble weighting and bridging agent for utilization in drilling, work over, and completion fluids.

APPLICATION

As #0 or #325 Grind, these finer grinds of Calcium Carbonate are used primarily as weighting materials, which are readily dissolved in the presence of Hydrochloric acid.

Because of this Calcium Carbonate is an ideal weighting agent to use in drilling pressurized zones, and in completion and workover fluids.

#0 Grind CaCO₃ (Typical Particle Size)

Screen Size (Microns)	% Passing
No.40 (425)	99
No.60 (230)	98
No.70	96
No.80	94
No.100 (150)	85
No.200 (74)	67
No.325 (44)	35

#325 Grind CaCO₃ (Typical Particle Size)

Screen Size (Microns)	% Passing
No.325 (44)	95

RECOMMENDED TREATMENT

CaCO₃ may be added directly at the suction

With agitation or through the mixing hopper.

To calculate the amount of CaCO₃ required, use this formula:

$$\text{CaCO}_3 \text{ (kg/m}^3\text{)} = \frac{2700 (W_2 - W_1)}{2700 - W_2}$$

W₁ = present mud density in kg/m³

W₂ = desired mud density in kg/m³

For every 100 sacks of CaCO₃, will increase the mud volume by 1 cubic meter.

TYPICAL PHYSICAL PROPERTIES

Appearance	Granular
Specific Gravity	2.71
pH	9.5-11.4 (aq. Sltn)
Bulk density (#0)	1442 – 1522 kg/m ³
(#325)	1121 – 1201 kg/m ³

AVAILABILITY

Calcium Carbonate packaged in 25kg bags.