

CALCIUM CARBONATE

WEIGHTING MATERIAL

CALCIUM CARBONATE (CaCO₃) is ground and sized limestone and is an acid-soluble product that can be used as a weighting agent for drill-in or completion activities. CALCIUM CARBONATE is also used as a bridging agent for fluid loss, lost circulation or wellbore stability applications. CALCIUM CARBONATE is available in four powdered grades and flake.

FEATURES AND BENEFITS:

- Increases the density of water-based and oil-based drilling fluids.
- Used in drill-in, completions and workover applications.
- Is fully acid-soluble.
- Effective sized-particle bridging agent for filtration, lost circulation and squeezes.
- May be used in cement blends.

Grades:

Poultry Grit	Coarse (3000 micron)
Super Cal	Medium (500 micron)
"0" Grind	Fine (65 micron)
"325" Grind	Ultra Fine (44 micron)

RECOMMENDED TREATMENT: as required

$$\text{CaCO}_3 \text{ required (kg/m}^3\text{)} = \frac{2700 (\text{initial density (kg/m}^3\text{)} - \text{desired density (kg/m}^3\text{)})}{2700 - \text{desired density (kg/m}^3\text{)}}$$

PHYSICAL PROPERTIES:

Appearance:	White-grey powder
Specific Gravity:	2.68-2.76
Solubility:	Soluble in acid; slightly soluble in water
pH:	8.0-9.2

MIXING/HANDLING:

Mix through a conventional jet hopper. Refer to the SDS for specific handling requirements.

MICROTOX® THRESHOLD: TBD

PACKAGING: 22.68 kg bag / 56 bags/pallet