

Calcium Carbonate FINE

Weighting Agent

Description	Calcium carbonate - marble weighting agent.
Applications/functions	Finely ground calcium carbonate is used for the following purposes: <ul style="list-style-type: none">• Increasing the density of water-based and oil-based drilling fluids• Increasing the density of salt solutions• Plugging rock cracks to control fluid loss.
Advantages	<ul style="list-style-type: none">• Fully soluble in 15% HCl solution (1 gal of HCl dissolves 1.84 lb of MK).• Provides effective closure
Typical properties	<ul style="list-style-type: none">• Appearance White powder• Specific gravity 2,7 (approximately)
Recommended treatment	Use the following formulas to determine the appropriate concentrations to be added: <ol style="list-style-type: none">1. As a weighting agent add MK 5, 25 and 50 as needed to increase density up to 14ppg (1.68sg):<ul style="list-style-type: none">• For 1 bbl starting volume $X = 945 (W_F - W_I) / (22,5 - W_F)$• For 1 bbl final volume $X = 945 (W_F - W_I) / (22,5 - W_I)$<p><i>Where</i> <i>X = MK quantity required, lb/bbl</i> <i>W_F = final desired mud weight, ppg</i> <i>W_I = initial mud weight, ppg.</i></p>
Package	Calcium Carbonate FINE packaged in 25 and 1000 kg sacks.