

VOLCLAY® CG-50

Description:	Volclay CG-50 is a natural, granular, high-swelling Wyoming sodium bentonite recommended for lining/sealing applications involving moist soils or those where it is necessary to minimize dust generation.								
Applications:	Soil/bentonite liners; general sealing applications								
Composition:	Sodium bentonite is a hydrous silicate of alumina primarily consisting of the clay mineral montmorillonite, which swells several times its own volume when, wetted.								
Free Swell	24 ml/2g minimum (ACC 1010)								
Filtrate Loss:	18 ml maximum (API 13A)								
Moisture Content:	12 percent maximum as shipped								
Particle Sizing:	5 percent max. retained on a #10 mesh (2.00 mm) sieve 15 percent max. passing a #200 mesh (75 mm) sieve (ASTM D422)								
Dry Bulk Density:	65 lbs/ft ³ (1,040 kg/m ³) typical								
Packaging:	50 lb (22.5 kg) multi-wall paper bags; 2000-lb (900 kg) or 4,000 lb (1,800 kg) super sacks; or bulk.								
Availability:	F.O.B. Lovell, WY. Quantities less than 1 ton may be available locally.								
Application Information:	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Primary Soil Type</th> <th style="text-align: center;">Typical Application Rate*</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Sand</td> <td style="text-align: center;">8-10 lbs/ft² (40-50 kg/m²)</td> </tr> <tr> <td style="text-align: center;">Silt</td> <td style="text-align: center;">4-8 lbs/ft² (20-50 kg/m²)</td> </tr> <tr> <td style="text-align: center;">Clay</td> <td style="text-align: center;">2-4 lbs/ft² (10-20 kg/m²)</td> </tr> </tbody> </table> <p>*Application rates are for a soil/bentonite liner mixed in a layer 6 inches (150mm) in thickness with a permeability of 1×10^{-7} cm/sec. Application rates above are shown for informational purposes only. All soils should be tested to determine specific application rates.</p>	Primary Soil Type	Typical Application Rate*	Sand	8-10 lbs/ft ² (40-50 kg/m ²)	Silt	4-8 lbs/ft ² (20-50 kg/m ²)	Clay	2-4 lbs/ft ² (10-20 kg/m ²)
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