

## VOLCLAY® TG-50

<b>Description:</b>	Volclay TG-50 is a treated, granular, high swelling Wyoming sodium bentonite for use in contaminated environments.								
<b>Applications:</b>	Soil/bentonite liners in contaminated environments where untreated clays may be subject to degradation.								
<b>Composition:</b>	Sodium bentonite is a hydrous silicate of alumina primarily consisting of the clay mineral montmorillonite, which swells several times its own volume when, wetted.								
<b>Free Swell</b>	24 ml/2g minimum (ACC 1010)								
<b>Filtrate Loss:</b>	18 ml maximum (API 13A)								
<b>Moisture Content:</b>	12 percent maximum as shipped								
<b>Particle Sizing:</b>	5 percent max. retained on a #10 mesh (2.00 mm) sieve 15 percent max. passing a #200 mesh (75 mm) sieve (ASTM D 422)								
<b>Dry Bulk Density:</b>	65 lbs/ft <sup>3</sup> (1,040 kg/m <sup>3</sup> ) typical								
<b>Packaging:</b>	50-lb (22.5-kg) multi-wall paper bags; 2000lb (900kg) or 4,000 lb (1,800-kg) super sacks; or bulk.								
<b>Availability:</b>	F.O.B. Lovell, WY. Quantities less than 1 ton may be available locally.								
<b>Application Information:</b>	<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <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/ft<sup>2</sup> (40-50 kg/m<sup>2</sup>)</td> </tr> <tr> <td style="text-align: center;">Silt</td> <td style="text-align: center;">4-8 lbs/ft<sup>2</sup> (20-50 kg/m<sup>2</sup>)</td> </tr> <tr> <td style="text-align: center;">Clay</td> <td style="text-align: center;">2-4 lbs/ft<sup>2</sup> (10-20 kg/m<sup>2</sup>)</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 x 10<sup>-7</sup> cm/sec. Application rates above are shown for informational purposes only. All soils should be tested to determine specific application rates and compatibility requirements.</p>	Primary Soil Type	Typical Application Rate*	Sand	8-10 lbs/ft <sup>2</sup> (40-50 kg/m <sup>2</sup> )	Silt	4-8 lbs/ft <sup>2</sup> (20-50 kg/m <sup>2</sup> )	Clay	2-4 lbs/ft <sup>2</sup> (10-20 kg/m <sup>2</sup> )
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