

VOLCLAY® SOIL SEALANT CP-200

TECHNICAL DATA SHEET

DESCRIPTION	Volclay CP-200 is a natural, powdered, high-swelling Wyoming sodium bentonite. Volclay CP-200 meets API Specification 13A for Drilling Fluid Materials.		
APPLICATIONS	Soil/bentonite liners; slurry trenching		
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	16ml/2g minimum (ACC 1010)		
FILTRATE LOSS	18 ml maximum (API 13A)		
BARREL YIELD	90 minimum (API 13A)		
MOISTURE CONTENT	12 percent maximum as shipped		
PARTICLE SIZING	70 percent minimum passing #200 mesh (75 μm) sieve (ASTM D 422)		
DRY BULK DENSITY	54 lbs/ft³ (865 kg/m3) typical		
PACKAGING	50-lb (22.5-kg) multi-wall paper bags; 2000lb (900kg) or 4,000 lb (1,800-kg) super sacks; or bulk.		
AVAILABILITY	F.O.B. Lovell, Wyoming. Quantities less than 1 ton may be available locally.		
APPLICATION INFORMATION: SOIL LINERS	Primary Soil Type	Typical Application Rate*	
	Sand	8-10 lbs/ft² (40-50 kg/m²)	
	Silt	4-8 lbs/ft² (20-50 kg/m²)	
	Clay	2-4 lbs/ft² (10-20 kg/m²)	
	*Application rates are for a soil/bentonite liner mixed in a layer 6 inches (150mm) in thickness with a permeability of 1 x 10 ⁻⁷ cm/sec. Application rates above are shown for informational purposes only. All soils should be tested to determine specific application rates.		
APPLICATION INFORMATION: SLURRY TRENCHING	Condition	Pounds of bentonite per 100 gal of water	Percent of Solids
	Normal	30-50	3.5 -5.7%
	Sand and Gravel	50-70	5.7 -7.7%
	Fluid Loss Control	70-80	7.7 -8.8%
	Mixing ratios are based on the use of fresh water; water purity will affect bentonite performance. For best results, acidic and hard makeup water should be pretreated with soda ash to a pH of 8.5-9.5. Add CP-200 slowly through jet/hopper mixer.		

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IMPORTANT: The information contained herein supersedes all previous printed versions, and is believed to be accurate and reliable. For the most up-to-date information, please visit www.CETCO.com. CETCO accepts no responsibility for the results obtained through application of this product. CETCO reserves the right to update information without notice.



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