

VOLCLAY[®] SOIL SEALANT SG-40

TECHNICAL DATA SHEET

DESCRIPTION	Volclay SG-40 is a natural, granular; high swelling Wyoming sodium bentonite specially treated for improved efficiency (lower application rates) in soil/bentonite liners. May be a more cost-efficient alternative to untreated Volclay bentonite in freight-sensitive projects.	
APPLICATIONS	Soil/bentonite liners.	
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	15 percent max. retained on a #20 mesh (850 μ m) sieve 15 percent max. passing a #200 mesh (75 μ m) sieve (ASTM D422)	
DRY BULK DENSITY	65 lbs/ft ³ (1,040 kg/m ³) typical	
PACKAGING	50-lb (22.5 kg) or 100 lb (45-kg) multi-wall paper bags; 2000lb (900kg) 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:	Primary Soil Type	Typical Application Rate*
	Sand	6-8 lbs/ft ² (40-50 kg/m ²)
	Silt	3-6 lbs/ft ² (20-50 kg/m ²)
	Clay	2-3 lbs/ft ² (10-20 kg/m ²)
*Application rates are for a soil/bentonite liner mixed in a layer 6 inches (150 mm) 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.		

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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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