
**High Performance All Purpose
200 Mesh Powder**

Revised 07/19/13

VOLCLAY® ACCU-GEL

General Description	A high-efficiency sodium bentonite exhibiting superior thixotropic properties and characterized by high viscosity and complete dispersion.																		
Functional Use	General purpose suspending, emulsifying, and plasticizing agent used in industrial products such as asphalt emulsions and rock wool insulation.																		
Purity	Hydrous aluminum silicate comprised principally of the clay mineral Montmorillonite. Contains minor amounts of feldspar, calcite, and quartz.																		
Chemical Formula	Diocahedral Smectite, an expanding layer silicate: $(\text{Na,Ca})_{0.33}(\text{Al}_{1.67}\text{Mg}_{0.33})\text{Si}_4\text{O}_{10}(\text{OH})_2 \cdot n\text{H}_2\text{O}$																		
Elemental Composition	Typical analysis – moisture free. <table><tr><td>SiO₂</td><td>63.02 %</td></tr><tr><td>Al₂O₃</td><td>21.08 %</td></tr><tr><td>Fe₂O₃</td><td>3.25 %</td></tr><tr><td>FeO</td><td>0.35 %</td></tr><tr><td>MgO</td><td>2.67 %</td></tr><tr><td>Na₂O</td><td>2.57 %</td></tr><tr><td>CaO</td><td>0.65 %</td></tr><tr><td>Trace</td><td>0.72 %</td></tr><tr><td>LOI</td><td>5.64 %</td></tr></table>	SiO ₂	63.02 %	Al ₂ O ₃	21.08 %	Fe ₂ O ₃	3.25 %	FeO	0.35 %	MgO	2.67 %	Na ₂ O	2.57 %	CaO	0.65 %	Trace	0.72 %	LOI	5.64 %
SiO ₂	63.02 %																		
Al ₂ O ₃	21.08 %																		
Fe ₂ O ₃	3.25 %																		
FeO	0.35 %																		
MgO	2.67 %																		
Na ₂ O	2.57 %																		
CaO	0.65 %																		
Trace	0.72 %																		
LOI	5.64 %																		
Moisture	Maximum 12% as shipped.																		
Dry Particle Size	Minimum 65% finer than 200 mesh (74 microns).																		
Wet Particle Size	Minimum 94% finer than 200 mesh (74 microns). Minimum 92% finer than 325 mesh (44 microns).																		
pH	8.0 - 10.0 @ 5% solids.																		
Viscosity	15 cps minimum @ 6.25% solids.																		
Packaging	50 or 100 pound multi-wall paper bags, 2000lb bulk bags, or bulk.																		