

## TECHNICAL DATA SHEET

PRODUCT	
<b>WHITE BENTONITE</b>	A general term for Montmorillonite clay, often added to a clay body to improve plasticity. Used in clay bodies (up to 5%) to increase plasticity and in glazes (up to 2%) as a suspending agent but must be added to dry ingredients.

TYPICAL ANALYSIS AND PROPERTIES (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)	
Chemical Formula	Diocahedral Smectite, an expanding layer silicate: (NaCa) 0.33 (Al <sub>1.67</sub> Mg <sub>0.33</sub> ) Si <sub>4</sub> O <sub>10</sub> (OH) <sub>2</sub> Nh <sub>2</sub> O
Moisture	11-13%
C.E.C	70-80 MEQ/100g
Colour	L: 86 min a: -1.4 to + 1.2 b: 7 max
Dry Particle Size	Minimum 85% passing 200 Mesh (75 mic)

CHEMICAL ANALYSIS (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)		
Silicon Oxide	SiO <sub>2</sub>	68.30%
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	1.34%
Calcium Oxide	CaO	0.97%
Potassium Oxide	K <sub>2</sub> O	1.05%
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	16.92%
Magnesium Oxide	MgO	3.31%
Sodium Oxide	Na <sub>2</sub> O	0.85%
Loss on Ignition	LOI	7.06%
pH	-	10.5 max

PRODUCT SIZE
The products are available in Paper Bags (1kg, 5kgs, 25kgs), big bags and bulk