



# BBC MINES AND MINERALS

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## SM51 Clay

Physical Properties	
Shrinkage%	9.07
Loss on Ignition%	11.91
Dry M.O.R kg/cm <sup>2</sup>	27.7
Fired M.O.R kg/cm <sup>2</sup>	228.6
Water of Plasticity%	31.6
T.D.S	550
L*	85.49
a*	1.33
b*	13.51
Whiteness	66.49
Chemical Properties	
SiO <sub>2</sub> %	51.83
Al <sub>2</sub> O <sub>3</sub> %	30.57
Fe <sub>2</sub> O <sub>3</sub> %	1.01
TiO <sub>2</sub> %	1.17
CaO%	1.19
MgO%	0.64
K <sub>2</sub> O%	0.93
Na <sub>2</sub> O%	0.28

## Mix Properties

L*	74.56
a*	0.83
b*	9.78

