

TECHNICAL DATA SHEET

PRODUCT	
FLINT (DAMP/DRY)	Forming as Calcined Silica to give white firing and helping to maintain fired shape. Also, when used as a glaze addition will increase thermal expansion.

PARTICLE SIZE ANALYSIS AND PROPERTIES (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)		
	Mean	Range
Particle size %< 14µ (Malvern Mastersize Plus)	54.5	51 - 58
Slip Density	1.58	1.55 – 1.60
Specific Gravity	2.53	2.515 – 2.545
Lime Content (CaO)	1.0	1.0 – 1.4

CHEMICAL ANALYSIS (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)		
Silicon Oxide	SiO ₂	96.35
Titanium Dioxide	TiO ₂	0.02
Aluminium Oxide	Al ₂ O ₃	0.35
Iron Oxide	Fe ₂ O ₃	0.07
Magnesium Oxide	MgO	0.05
Calcium Oxide	CaO	1.29
Potassium Oxide	K ₂ O	0.10
Sodium Oxide	Na ₂ O	0.09
Loss of Ignition	LOI	1.26

Crystobalite Content
2.33 average

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