

WALKER
Ceramics



Feeneys
Clay

Pottery Clays, Glazes and Colours

School Earthenware Stoneware

Code AA220

Description

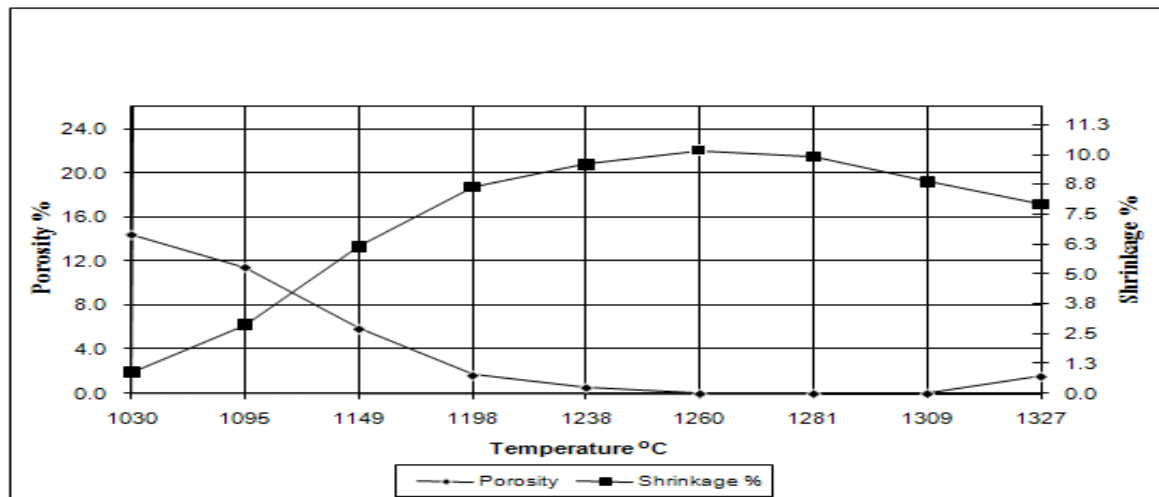
School Earthenware/Stoneware is a no fuss highly plastic white clay for the education system. Although this body is designed for educational facilities many professionals have discovered the wonderful properties of School Earthenware/Stoneware.

Mesh : Hammer Milled 14 #

Recommended Firing

Bisque	Glaze Earthenware	Glaze Middle Fire	Glaze Stoneware
1000° C	1060° C to 1100° C	1250° C	1280° C to 1500° C
Orton Cone 06	Orton Cone 04 to 03	Orton Cone 8 to 9	Orton Cone 9 to 10

Chemical Analysis		Shrinkage (fired)			
SiO ₂	68.14%	From wet to dry	5.75%	± 0.5%	
Al ₂ O ₃	20.31%	From dry to bisque	0.88%	± 0.2%	
TiO ₂	1.18%	From dry to glaze	2.86%	± 0.5% @ 1080° C	
Fe ₂ O ₃	0.90%	From dry to glaze	9.91%	± 0.5% @ 1300° C	
CaO	0.29%	Water absorption			
MgO	0.69%	Biscuit	1000° C	Orton Cone 06	14.44%
Na ₂ O	0.77%	Fired	1100° C	Orton Cone 03	11.48%
K ₂ O	1.91%	Fired	1300° C	Orton Cone 10	0%
L.O.I.	5.76%				



Glazes

Decorative (non-functional) glazes are available in the Walkers Stoneware, Middle Fire and Earthenware glaze ranges.

Presentation

Fully de-aired 10 kilogram block wrapped in recyclable polythene bags.

Moisture content of standard clay is 22% to 24%, PR 3 to 4.

Other moisture contents are available on special request using our Penetrometer Readings (PR) outlined below.

Preparation

Crude clays are hammer milled, sieved and magnetted. Extruding takes place through a de-airing pugmill and clay is sealed airtight in polythene bags which can be stored indefinitely.