



WALKER
Ceramics

Clays Glazes Colours

Feeneys
Clays

Cesco
Glazes & Colours

White Earthenware

Code: AB300

Description

A white earthenware body for casting with precise thermal expansion for accurate glaze fit. This body is also able to be used as a vitreous middle fire body at high temperatures.

Mesh: ~80#

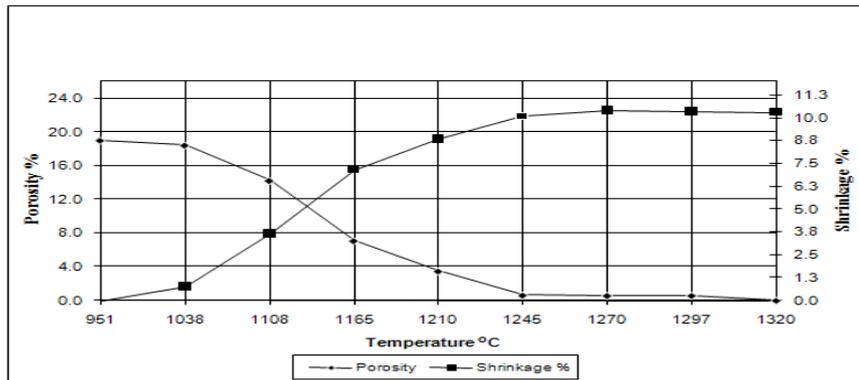
Recommended Firing

Bisque	Glaze Earthenware	Glaze Middle Fire
1000° C to 1060° C	1080° C to 1130° C	1225° C to 1250° C

Coefficient of Expansion

Sample fired at 1100° C, Orton cone 03. Linear expansion is 0.380% at 500° C and coefficient is 83.33×10^{-7} from 200° C to 500° C

Chemical Analysis		Shrinkage (fired)		
SiO ₂	73.99%	Wet to dry	2.3%	± 0.5%
Al ₂ O ₃	17.96%	Dry to bisque	0.2%	± 0.2%
TiO ₂	0.69%	Bisque to glaze	1.0%	± 0.5% at 1100°C
Fe ₂ O ₃	0.53%	Bisque to glaze	5.0%	± 0.5% at 1250°C
CaO	3.73%			
MgO	0.60%			
		Water absorption		
Na ₂ O	0.57%	Biscuit	1000° C	Orton Cone 06 14%
K ₂ O	1.42%	Fired	1225° C	Orton Cone 6 less than 2%
L.O.I.	7.78%	Fired	1250° C	Orton Cone 7 0%



Glazes

Cesco 5223, 5381 & 6101 are our standard clear lead free glazes for White Earthenware. See Cesco Earthenware glaze range for other functional and decorative glazes.

Presentation

Casting slip in 5L Jerry Can or 10L bucket ready for casting.