



WALKER
Ceramics

Clays Glazes Colours

Feeneys
Clays

Cesco
Glazes & Colours

White Earthenware

Code: AC300

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#

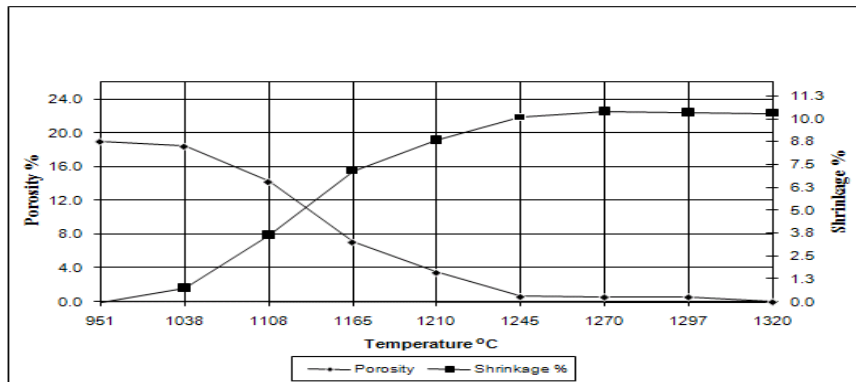
Recommended Firing

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 Powder in a 25kg bag.