

WALKER
Ceramics



Feeneys
Clay

Pottery Clays, Glazes and Colours

Super White Earthenware

Code: AA295

Description

A superb super white earthenware body for throwing and pressing 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 : 120#

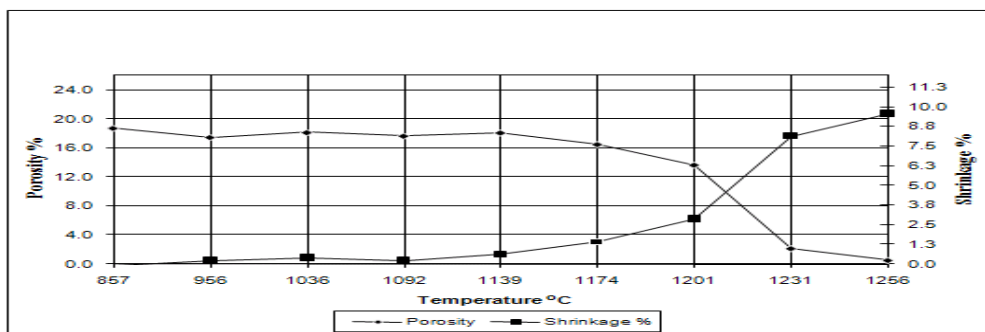
Recommended Firing

Bisque	Glaze Earthenware
1000° C to 1060° C	1080° C to 1130° C

Coefficient of Expansion

Sample fired at 1100° C, Orton cone 03. Linear expansion is 0.337% at 500° C and coefficient is 74.66×10^{-7} from 200° C to 500° C

Chemical Analysis		Shrinkage (fired)			
SiO ₂	65.28%	From wet to dry	3.33%	± 0.5%	
Al ₂ O ₃	17.96%	From dry to bisque	0.40%	± 0.2%	
TiO ₂	0.38%	From bisque to glaze	0.22%	± 0.2% at 1100° C Orton cone 03	
Fe ₂ O ₃	0.33%				
CaO	4.37%				
MgO	1.50%				
		Water absorption			
Na ₂ O	0.30%	Biscuit	1000° C	Orton Cone 06	18.72%
K ₂ O	1.10%	Fired	1225° C	Orton Cone 6	18.10%
L.O.I.	9.57%				



Glazes

101 is our standard clear lead free glaze for White Earthenware. See Walkers Earthenware glaze range for functional and decorative glazes. If making your own glazes contact us for technical assistance if required.

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 blunged, sieved and passed over rare earth magnets, then stored in constantly agitated farm tanks. Final body blend is made with millimetre accuracy with powdered raw materials being added and agitated in. With this manufacturing method we can ensure reproducible recipe formulation to within 0.1%. Final body in liquid form is sieved and passed over rare earth magnets once again and then filter pressed. Filter pressed clays are then stock piled in cake form and allowed to age. Extruding takes place through a de-airing pugmill and clay is sealed airtight in polythene bags which can be stored indefinitely.

Victoria 2/21 Research Drive Croydon South 3136 Phone 03 87616322 Fax 03 87616344 Email sales@walkerceramics.com.au

NSW Phone 03 87616322 Fax 03 87616344 Email nsw@walkerceramics.com.au

ACT 289 Canberra Avenue Fyshwick 2609 Telephone 02 6280 5700 Fax 02 6280 5705 Email act@walkerceramics.com.au

Queensland Feeneys Clay 55 Tiger St West Ipswich 4305 Phone 03 87616322 Fax 87616344 Email qld@walkerceramics.com.au

TOLL FREE 1800 692529 OR 1800 OZCLAY

Ozclay Pty Ltd trading as Walker Ceramics (Australia) ABN 30 456 822 810

Website www.walkerceramics.com.au