

**WALKER**  
Ceramics



**Feeneys**  
**Clay**

*Pottery Clays, Glazes and Colours*

## Special Stoneware

**Code: AA210**

### Description

Grey with buff speckle firing stoneware ideal for production throwing and pressing. Renowned as the best production throwing body available.

**Mesh** : Filter Pressed 60#

### Recommended Firing

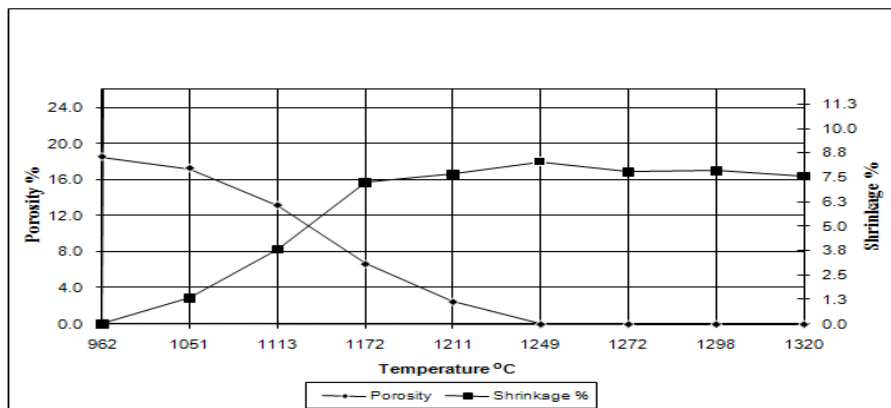
| Bisque  | Glaze              |
|---------|--------------------|
| 1000° C | 1260° C to 1300° C |

### Coefficient of Expansion

Sample fired at 1280° C oxidizing atmosphere, Orton cone 9.

Linear expansion is 0.314% at 500° C and coefficient is  $63.3 \times 10^{-7}$  from 200° C to 500° C

| Chemical Analysis              |        | Shrinkage (fired)       |         |               |       |
|--------------------------------|--------|-------------------------|---------|---------------|-------|
| SiO <sub>2</sub>               | 63.28% | From wet to dry         | 3.37%   | ± 0.5%        |       |
| Al <sub>2</sub> O <sub>3</sub> | 23.76% | From dry to bisque      | 1.33%   | ± 0.2%        |       |
| TiO <sub>2</sub>               | 1.19%  | From bisque to glaze    | 7.84%   | ± 0.5%        |       |
| Fe <sub>2</sub> O <sub>3</sub> | 0.87%  |                         |         |               |       |
| CaO                            | 0.26%  | <b>Water absorption</b> |         |               |       |
| MgO                            | 0.73%  | Biscuit                 | 1000° C | Orton Cone 06 | 17.0% |
| Na <sub>2</sub> O              | 0.76%  | Fired                   | 1225° C | Orton Cone 6  | 2.50% |
| K <sub>2</sub> O               | 2.06%  | Fired                   | 1280° C | Orton Cone 9  | 0%    |
| L.O.I.                         | 7.06%  |                         |         |               |       |



### Glazes

Functional and decorative glazes are available in the Walkers Stoneware glaze range. Compatible clear glazes are WSG30 or WSG31 (zinc free). 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.

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