

# Technical Data Sheet

## PF695 (Textured Red Stoneware)



Throwing



Modelling



Hand Building



**Firing Range: 1080-1260°C**



**Colour: Red**



**Texture: Medium Textured**



**Bag Size: 12.5kg**

Fired at

1300°C

1280°C

1260°C

1240°C

1220°C

1200°C

1180°C

1160°C

1140°C



Chemical Analysis (% Oxides Weight)		
Oxide		Percentages
Silicon Oxide	SiO <sub>2</sub>	
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	
Calcium Oxide	CaO	
Magnesium Oxide	MgO	
Sodium Oxide	Na <sub>2</sub> O	
Potassium Oxide	K <sub>2</sub> O	
Titanium Oxide	TiO <sub>2</sub>	
Loss of incineration	LOI at 1025°C	7.09

Green Physical Data	
Water Percentage	20-24%
Chamotte Percentage	55%
Chamotte Size	0-0.9mm
Consistency by penetrometer PT-207, using cylinder point of 2cm <sup>3</sup>	0.9-1.1 kg/cm <sup>2</sup>
IP Pfefferkorn (%)	19.75

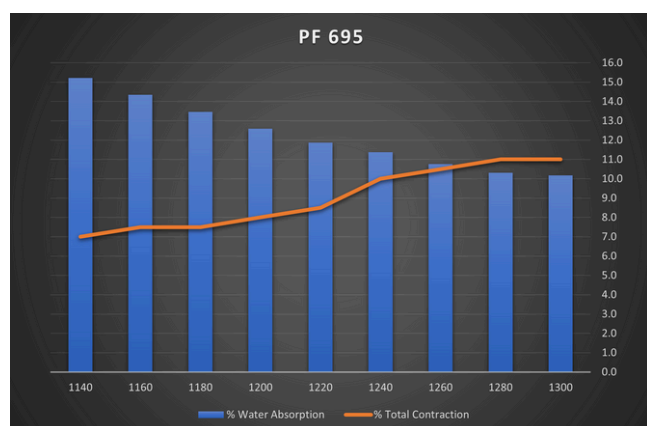
Dry Physical Data	
Drying shrinkage at 110°	5.2%

Coefficient off Expansion
70.0

Fired Physical Data	
Firing shrinkage at 1280°C	5%
Water absorption at 1280°C	10.40 %
Fired Colour (CIELAB)	L: 35.61
	a: 12.54
	b: 8.01

This technical information is only a guide, established from the characterisation and analysis of representative samples, and from routine production averages.

Product characteristics are subject to modifications.



# Valentine Clays

MANUFACTURED IN THE HEART OF THE POTTERIES