

Technical Data Sheet

Schwarz Stoneware



Throwing



Modelling



Firing Range: 1120-1280°C



Colour: Grey to Black



Texture: Smooth Textured



Bag Size: 10kg

Fired at

1300°C

1280°C

1260°C

1240°C

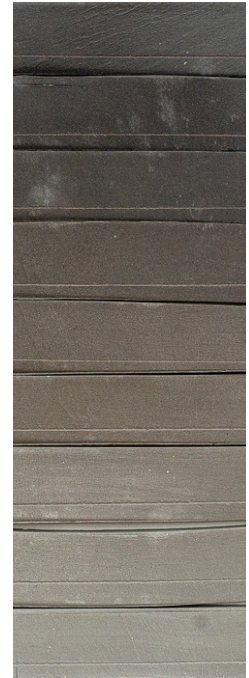
1220°C

1200°C

1180°C

1160°C

1140°C



CHEMICAL ANALYSIS (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)			
Silicon Oxide	SiO ₂	69.0	These oxides exist in crystalline complexes of Albite, Microcline and Nepheline.
Aluminium Oxide	Al ₂ O ₃	21.2	
Titanium Oxide	TiO ₂	1.6	
Iron Oxide	Fe ₂ O ₃	4.9	
Calcium Oxide	CaO	0.0	
Magnesium Oxide	MgO	0.5	
Potassium Oxide	K ₂ O	2.8	
Sodium Oxide	Na ₂ O	0.0	

CERAMIC DATA (MEAN VALUES. THESE DO NOT REPRESENT A SPECIFICATION.)			
Dry Shrinkage	7		
Firing Temperature	1070°C	1140°C	1240°C
Firing Colour	Grey	Anthracite	Black
Firing Shrinkage in %	3	5	8
Water Absorption in %	9	5	0.1
Coefficient of Thermal Expansion (CTE)			
20°C - 400°C	65	67	63
20°C - 500°C	68	70	65
20°C - 600°C	79	81	72
CTE * 10 ⁻⁷ /K			
Moisture Expansion in %	0.15	0.05	

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.

