

## Glenhoek Ball Clay - Black

### Product Description

Ball Clay is a rare kaolinite rich mineral which naturally occurs near Grahamstown in the Eastern Cape Province of South Africa. Ball clays or plastic clays as they are known are fine grained, highly plastic sedimentary clays, which fire to a white or near white colour.

### Product Industries

Ball Clays are widely used in the manufacture of sanitary-ware, table ware, wall & floor tiles, glazes and engobes, bricks and refractory clays. They are valued for their key properties of plasticity, unfired forming strength (green strength) and their white fired colour whether the raw ore is light or dark.

### Typical Physical Analysis


Particle Sizing *	Raw Lumps and Fines
Oil Absorption	28% (Linseed Oil)
Specific Gravity	2.4 (Helium Displacement)
Hardness	2-3 (Mohs)
Reflectance	Unfired < 70 (Opacity Reflectometer)
Melting Point	> 900 °C
Bulk Density	Loose: 620-660 g/l
Free Moisture	5.0 - 7.0%
Stability	Indefinite shelf life
Packaging	Loose Bulk in Tipper Trucks

\* Quality controlled by means of wet sieve analysis

### Typical Chemical Analysis

SiO <sub>2</sub>	60.21%
Al <sub>2</sub> O <sub>3</sub>	26.88%
Fe <sub>2</sub> O <sub>3</sub>	1.22%
TiO <sub>2</sub>	0.91%
MgO	0.25%
Na <sub>2</sub> O	0.99%
CaO	0.13%
K <sub>2</sub> O	2.33%
Loss on Ignition (LOI)	6.81%

### Datasheet Revision

Compiler Name	Bernard Potgieter
Compiler Position	Chief Operating Officer
Specification Owner	Technical Services
Revision Date	Tuesday, 01 November 2016
Revision Number	6
Approval Signature	

### Disclaimer

All information herein contained is typical, accurate and factual to the best of our knowledge. We continuously employ various quality control procedures to maintain these quality levels on all of our products. However, no warrantee is suggested or implied in respect of any recommendations, advice or suggestions made by our representatives, or any other person or persons associated to us, as the conditions, production, process and methods of use of our products may vary from time to time.

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Directors:  
BS Booth, RH Weissenberg, KK Watson

**JOHANNESBURG (HEAD OFFICE)**  
P.O. Box 91575  
Auckland Park, 2006, South Africa  
Tel: +27 11 486-1919  
Fax: +27 11 486-1928  
E-mail: info@micronized.com

**LIMPOPO – UNION MINE & WORKS**  
Private Bag X3010  
Phalaborwa, 1390, South Africa  
Tel: +27 15 817-1828  
Mica, Limpopo  
GPS: 24°09'23.4"S, 30°49'41.4"E

**JOHANNESBURG FACTORY**  
69 Barney Road  
Benrose, 2094, South Africa  
Tel: +27 11 624-0909  
Benrose, Johannesburg  
GPS: 26°12'38.3"S, 28°05'03.3"E

**GRAHAMSTOWN FACTORY**  
1 Victoria Street (off Cobden Street)  
Grahamstown, 6140, South Africa  
Tel: 011 486-1919 (head office)  
Grahamstown, Eastern Cape  
GPS: 33°18'29.1"S, 26°32'08.8"E

Micronized SA Ltd, Reg. No 2007/005688/06