

**TECHNICAL DATA**

**Brand Name:** ***Buff Bauxite***

**Product:** Natural Alumina

**Description:** A high grade alumina

**Application:** A tough and aggressive mineral used for a wide variety of applications from refractories, anti skid, paints, fillers and additives.

**Chemical Composition:**

Compound	Chemical Formula	Typical Content %	CAS No. / EINECS No.
Aluminium Oxide	Al <sub>2</sub> O <sub>3</sub>	70-85	1344-28-1 / 215-691-6
Silicon Dioxide	SiO <sub>2</sub>	5-8	7631-86-9 / 231-545-4
Titanium Dioxide	TiO <sub>2</sub>	4.5-6	13463-67-7 / 236-675-5
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	3-6	1309-37-1 / 215-168-2
Calcium & Magnesium Oxide	CaO and MgO	2.5-3	1305-78-8 / 215-138-9 1309-48-4 / 215-171-9
Alkali Metals	Na <sub>2</sub> O & K <sub>2</sub> O		1313-59-3 / 215-208-9 12136-45-7 / 235-227-6

**Physical Parameters:**

Bulk Density	1.3 – 1.4 g /cc (subject to grade)
Shape	Sub Angular
Colour	Mixed buff / beige and other colours
Specific Gravity	3.0 g/cc
Hardness	8-9 moh
Polished Stone Value*	Typical 69 Tolerance >60 for High Skid >65 for high stressed anti-skid sites.
Aggregate Abrasion Value*	Typical 2.4 (averaged results) Tolerance <10 for >3,250 vehicles per day on chipping and pre coat lanes, anti-skid applications.

\* Determined according to BS EN 1097-8 : 2009

**Gradation:**

Metric Fractions 0.9-1.2, 1-3mm, 3-5mm, other sizes and flours on request

**Packaging:**

1000-1250kg big bags

**Compliance;**

This product is REACH exempt.

Page: 1-7-9

Issue: 2

Date: Mar 2014

Document Status: ~~Controlled~~ / **Uncontrolled**