



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Alumac** Brown Industrial Mac'Ants Group Ref: **BALI**

Product: Industrial Brown Fused Alumina

Description: An industrial grade brown fused alumina manufactured from bauxite, silica, coke and iron

Application: A tough and aggressive electro mineral first discovered at the turn of the 1900's. Manufacturing procedures substantially improved over the years now offering a highly consistent synthetic mineral for use in a myriad of applications from general blasting and surface finishing of non aero components, anti slip flooring, vibratory finishing medias, safe manufacture, coated & bonded abrasives and polishing compounds.

Chemical Composition:

Compound	Chemical Formula	Typical Content %	CAS No. / EINECS No.
Aluminium Oxide	Al ₂ O ₃	90	1344-28-1 / 215-691-6
Silicon Dioxide	SiO ₂	1.2 – 2.2	7631-86-9 / 231-545-4
Titanium Dioxide	TiO ₂	1.5 - 3.5	13463-67-7 / 236-675-5
Iron Oxide	Fe ₂ O ₃	<4.0	1309-37-1 / 215-168-2
Calcium & Magnesium Oxide	CaO and MgO	<0.8	1305-78-8 / 215-138-9 1309-48-4 / 215-171-9
Alkali Metals	Na ₂ O & K ₂ O	<0.01	1313-59-3 / 215-208-9 12136-45-7 / 235-227-6

Physical Parameters:

Bulk Density	1.44 – 1.88 g /cc (subject to grade)
Shape	Semi Cubical
Colour	Brown
Specific Gravity	3.9 g/cc
Hardness	9 moh / 2000 knoop Diamond

Gradation:

FEPA F grit in macro range 8 to 220, micro grits available on request, bespoke and blended grades on request

Packaging:

Typically 25 kg multi ply paper sacks, but 1000kg big bags are available and custom label on application

Compliance:

This product is REACH compliant, ask Mac'Ants Group for the associated REACH registration details.

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Issue: 1
Date: Apr 2011

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

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