





CALCINED BAUXITE

Calcined Bauxite is produced by sintering high-alumina bauxite in rotary, round or shaft kilns at high temperatures. This process of calcining (heating) bauxite in kilns removes moisture and gives Calcined Bauxite its high alumina content and refractoriness, low iron, and grain hardness and toughness. Its thermal stability, high mechanical strength and resistance to molten slags make Calcined Bauxite an ideal raw material in the production of many refractory, abrasive and specialty product applications.

Calcined bauxite is a high-alumina material produced by heating bauxite ore in rotary kilns, widely used in refractory and abrasive applications due to its durability and thermal stability.

CALCINED BAUXITE – NCAB 78 GG

Specification : NCAB 78 GG

Al ₂ O ₃	77 - 78%
Fe ₂ O ₃	2.80 - 3.00%
TiO ₂	4.0% max
CaO	1.75% Max
AP	8% Max
Bulk Density	3.10 - 3.17gm/cc
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm Lumps- 0-30 mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside



CALCINED BAUXITE - NCAB 80 LF

Specification : NCAB 80 LF

Al ₂ O ₃	78 - 80%
Fe ₂ O ₃	2.70 - 3.00%
TiO ₂	4.0% max
CaO	1.5% Max
AP	8% Max
Bulk Density	3.10 - 3.17gm/cc
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm Lumps- 0-30 mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside

Applications



Refractory, Abrasives ,
proppants , Anti skid road
surfacing & castables

CALCINED BAUXITE- NCAB 84 LF

Specification : NCAB 84 LF

Al ₂ O ₃	83 - 84%
Fe ₂ O ₃	2.60 - 2.75%
TiO ₂	4.5% max
CaO	2.5% Max
AP	8.5% Max
Bulk Density	3.10 - 3.20gm/cc
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Fines Lumps- 0-30mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside

Applications



Refractory, Abrasives, proppants,
Anti skid road surfacing &
castables

CALCINED BAUXITE – NCAB 90 SP

Specification : NCAB 90 SP

Al ₂ O ₃	85 - 86%
Fe ₂ O ₃	2.5 - 2.8%
TiO ₂	4.5% max
CaO	2.00% Max
AP	8.5% Max
Bulk Density	3.10 - 3.20gm/cc
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Fines Lumps- 0-30mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside

Applications



Refractories, Proppants,
Anti skid road surfacing &
Castables

CALCINED CLAY – NCLAY 45 SPL

Specification : NCLAY 45 SPL

Al ₂ O ₃	42.0 - 45.0%
Fe ₂ O ₃	0.7 - 0.8%
TiO ₂	1.8% max
CaO	0.5 - 0.6% Max
AP	6% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside



CHAMOTTE

Chamotte—also known as 'grog', 'firesand' or "fireclay"—is calcined clay containing a high proportion of alumina & silica. It is produced by firing selected fire clays in a rotary kiln to temperatures between 1,400°C and 1,600°C, before grinding and screening to specific particle sizes. This clay is being used for manufacturing high-grade refractories & ceramic products. NIPL has a wide range of chamotte for refractory applications.

CHAMOTTE – NCHAMOT 42 SPL B

Specification : NCHAMOTTE 42 SPL B

Al ₂ O ₃	40.0 - 44.0%
Fe ₂ O ₃	1.00% max
TiO ₂	2.00 % max
CaO	1.00% Max
AP	7% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	50Kgs/1MT in HDPE Bags with separate polythene liner inside

CALCINED CLAY – NCLAY 45 B

Specification : NCLAY 45 B

Al ₂ O ₃	45.0 - 47.0%
Fe ₂ O ₃	1.70% max
TiO ₂	5.00% max
CaO	1.00% Max
AP	9% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	50Kgs/1MT in HDPE Bags with separate polythene liner inside



CALCINED CLAY – NCLAY 52 SPL B

Specification : NCLAY 52 SPL B

Al ₂ O ₃	50.0 - 52.0%
Fe ₂ O ₃	1.60% - 2.00% max
TiO ₂	2.00% max
CaO	1.00% Max
AP	9% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	50Kgs/1MT in HDPE Bags with separate polythene liner inside

CALCINED CLAY – NCLAY 55 B

Specification : NCLAY 55 B

Al ₂ O ₃	50.00 - 52.00%
Fe ₂ O ₃	2.50% max
TiO ₂	5.00% max
CaO	1.00% Max
AP	10% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	50Kgs/1MT in HDPE Bags with separate polythene liner inside

CALCINED CLAY – NCLAY 60 B

Specification : NCLAY 60 B

Al ₂ O ₃	58.00 - 62.00%
Fe ₂ O ₃	3.00% max
TiO ₂	5.00 % max
CaO	1.00% Max
AP	10% Max
Bulk Density	2.5gm/cc Min
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm, Lumps- 0-30mm
Standard Packing	50Kgs/1MT in HDPE Bags with separate polythene liner inside

EXPANDED CLAY – NCLAY EXPND- RFG-1

Specification : Chemical

Al ₂ O ₃	15.4%
SiO ₂	46.5%
Fe ₂ O ₃	12.9%
MgO	4.42% max
CaO	0.80% Max
Na ₂ O	1.90% Max
K ₂ O	0.79% Max
Standard Packing	100 Ltr in HDPE Bags with separate polythene liner inside

Specification : Physical

Aggregate Size	0 - 4mm
Loose Bulk Density	625 (+/- 15%) - Kg/M ³
Particle density	1125 (+/- 15%) - Kg/M ³
Water absorption	< 20% (% of Dry Mass)
Surface Alkalinity	6.5 - 7.5 pH
Voids	50.00 - 55.00%
Fire Resistance	Euro Class A1 (non-combustible)
Particle size distribution	0.0 - 1.0mm - 30 - 45%
	0.0 - 2.0mm - 45 - 65%
	0.0 - 3.0mm - 65 - 85%
	0.0 - 4.0mm - 85 - 100%
	0.0 - 5.0mm - < 5%
	Chloride - < 0.02%
	Acid-soluble sulphate - < 0.6%
	Total Sulfur - < 0.45 %
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside



BROWN FUSED ALUMINA – NFUSED BFA 95 P

Specification : NFUSED BFA 95 P

Al ₂ O ₃	94.00 - 95.00%
Fe ₂ O ₃	0.30% (+/- 0.20)
TiO ₂	2.75% max (+/- 0.75)
CaO	0.70% (+/- 0.50)
SiO ₂	0.80% (+/- 0.50)
Bulk Density	3.75 - 3.85gm/cc
Magnetic Iron	<0.20 %
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside

BROWN FUSED ALUMINA – NFUSED BFA 92 C

Specification : NFUSED BFA 92 C

Al ₂ O ₃	92.00% (+/- 0.50)
Fe ₂ O ₃	1.00% (+/- 0.50)
TiO ₂	3.00% max (+/- 0.75)
CaO	1.00% (+/- 0.50)
SiO ₂	2.00 - 4.00%
Bulk Density	3.60 - 3.70gm/cc
Magnetic Iron	<0.20 %
Grit Size	Grits 3-5mm, 1-3mm, 0-1mm
Standard Packing	25Kgs/50Kgs/1MT in HDPE Bags with separate polythene liner inside

Neerja Industires Private Limited

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Work 1

Jay Vijay Industrial Estate Gala No. 2,
Ground Floor, Building No. 3,
N. H. Road No. , Village: Bapane
Taluka: Vasai, Naigaon, Thane 401 208.

Work 2

Plot No. 6 & 7, Umiya Industrial Zone
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