



Komeno
Grinding & Polishing Solutions

Komeno-Abrasives





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Index

Page 1	Introduction
Page 2	Brown Fused Alumina
Page 3	White Fused Alumina
Page 4	Non-Metallic abrasives -Silicon Carbide -Glass Beads -Garnet
Page 5	Metallic abrasives -(HQ)Cast Steel Shot -(HQ)Cast Steel Grit -Stainless Steel Abrasives -Steel Cut wire shot

INTRODUCTION

Komeno-Abrasives

Komeno-Abrasives fulfils in the requirements for non-metallic and metallic abrasives. Our dedicated team is available to assist our customers in selecting the right abrasives and analysing the working mix and production process in order to maximise efficiency. The scope of supply of Airblast-Abrasives is:

NON-METALLIC ABRASIVES		METALLIC ABRASIVES	
•	Brown Fused Alumina	•	(HQ)Cast Steel Shot
•	White Fused Alumina	•	(HQ)Cast Steel Grit
•	Silicon Carbide	•	Steel Cut Wire Shot
•	Glass Beads	•	Stainless Steel Shot
•	Garnet	•	Stainless Steel Grit

KOMENO-ABRASIVE

Komeno have been manufacturing and supplying abrasives materials since 1992. So far Komeno have its own electric arc furnaces, size grading equipments, washing facilities, magnetic contents removing facilities and our own chemical and physical analysis laboratory to make sure that our products conform to various international standard and customized requirements. Main products are Fused Alumina (Fused Aluminium Oxide, Artificial Corundum) and Silicon Carbide (Black & Green) for refractories and abrasives.

Our materials are with good Chemical Content, Fine Particle Distribution, High Cleaness, Little Dust and Magnetic Contents. Our product tracking system and QC on raw materials receival, production and packing ensure the best quality.



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Brown Fused Alumina



Brown Fused Alumina is an important synthetic corundum refractory mineral made from reduced fusion of quality bauxite iron and coal in electric arc furnace under 2500 degrees.

Brown Fused Alumina Refractory Grades is a mineral with fine particle distribution for shaped and unshaped refractory products in fire-proof, precision casting, foundry and coating industries.

Our Brown Fused Alumina Refractory Grades is a high grade refractory material with high purity, high cleanliness, coarse grain, low magnetic contents, high density, high bulk density, chemical stability, low porosity rate, nice crystal structure, corrosion and acid resistant. No cracks, corrosion or spot during production of refractory products. Brown Fused Alumina is the most popular refractory material, especially for refractory bricks.

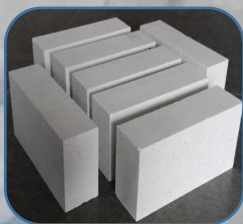
Brown Fused Alumina for Abrasives Tools is made according to FEPA, JIS Standard etc. with fine particle distribution for bonded abrasives, sand blasting and surface treatment. Because of its hardness, toughness, sharp edge and self-sharpening character, Brown Fused alumina is an ideal synthetic abrasives material for production of abrasive tools

Brown Fused Alumina Microns is made of Brown Fused Alumina powder sieved and graded by water, sizes from F280-F2500. These finer grades are ideal material for precision grinding, polishing, water-jet cutting, coating and anti-slipping products. It is also called Brown Fused Alumina Fines or Powder.



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White Fused Alumina



White Fused Alumina(WFA,WA)is a synthetic corundum made of reduced fusion of high purity alumina powder and other fillings in electric arc furnace under 2000 degrees above. Its main chemical content is Al_2O_3 (99% min), little Na_2O , Fe_2O_3 and SiO_2 .

White Fused Alumina for Refractory has very high refractory temperature, acid and alkali corrosion resistant, stable in chemical content, high true gravity/density, low porosity rate, thermal shock resistant. Its an excellent corundum aluminium oxide refractory material. White Fused Alumina refractory grades is an important high end material for production of shaped and unshaped refractory products

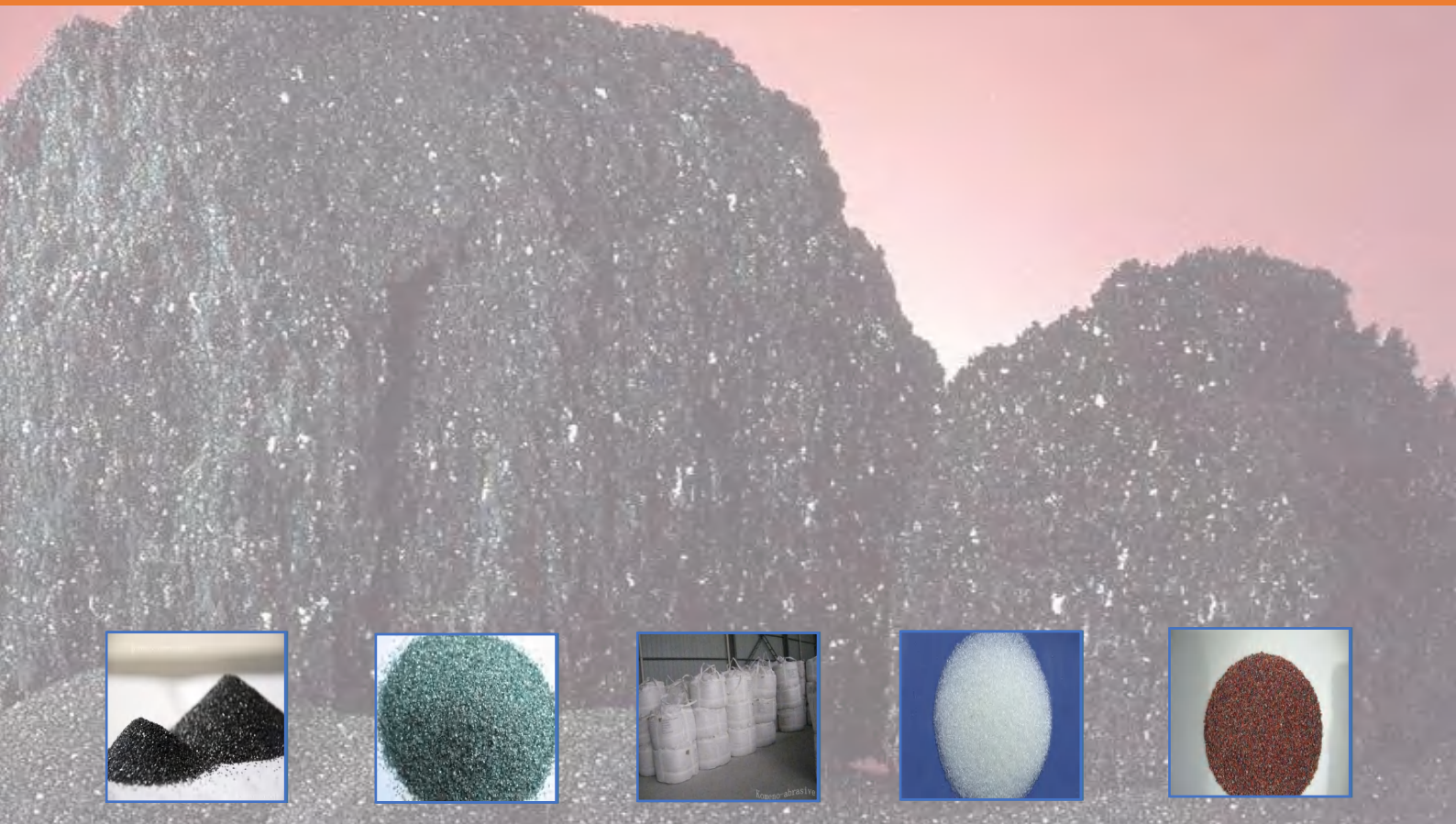
White Fused Alumina for abrasive tools Because of its high content of Aluminium Oxide, it's very hard, tough and sharp edged, and can be used in abrasive tools production, sand blasting, water-jet cutting, steel making, metallurgical, casting, foundry, ceramic industries.

White Fused Alumina Micorns FEPA F280-F2500 is a finer grade White Fused Alumina Powder with main content Aluminium Oxide(Al_2O_3) sieved by water pressure. It's a single crystal, self-sharpening, abrasion resistant abrasives for precision grinding, polishing, cutting etc.



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NON-Metallic Abrasives



Silicon Carbide

Silicon Carbide is a non-metallic mineral made of fusion of Quartz Sand and Anthracite/Petroleum Coke in electric resistance furnace under 1800 celcius degree. Because of different raw materials used, there are Black Silicon Carbide and Green Silicon Carbide.

Silicon Carbide has high hardness, low expansion rate, good heat conductivity, widely used in abrasive tools, grinding and polishing of electronic parts, refractory materials, high end ceramics, foam ceramic, auto parts, aviation, deoxidizer etc.

Glass Beads

Glass Beads has certain level of hardness, strength and elascity, can be reused and not easy to break. Our Glass Beads has fine particle distribution and high roundness rate which make sure that surfaces of working pieces are evenly cut or polished. Also high chemical stability and clean surfaces do no harm to metal surfaces.

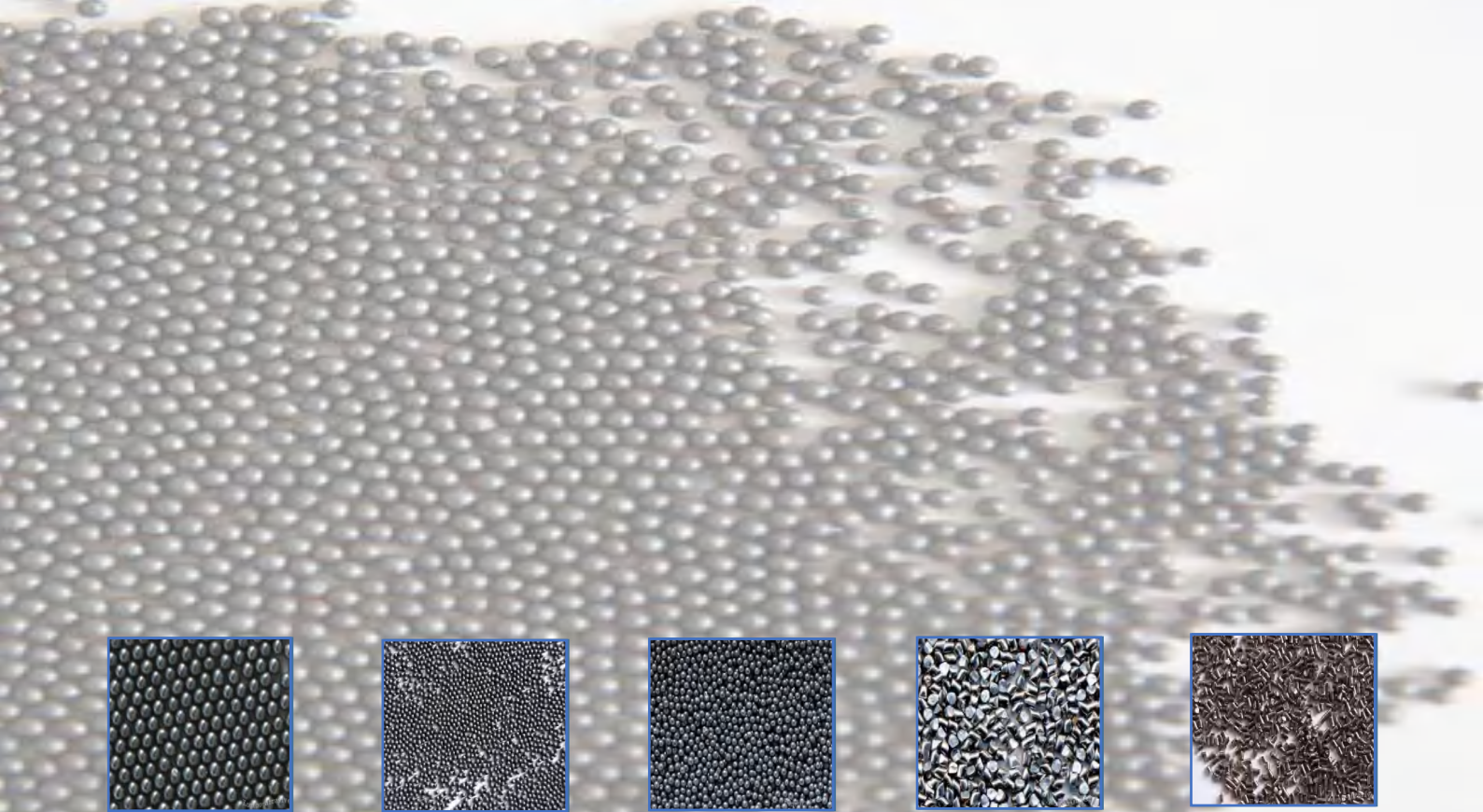
Garnet

Garnet is a natural mineral abrasive which is irregularly shaped with polished edges, it contains no heavy materials and has a low level of free silica. Because garnet is very heavy and hard for a mineral abrasive it accomplishes a fast cleaning rate. It is being used to remove rust, mill scale, old coatings and to clean buildings. Some of the advantages of garnet are; fast cleaning, relatively low dust generation (as compared to copper- or coal slag), environmental friendly and reusability.



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Metallic Abrasives



(HQ)Cast Steel Shot

(HQ)Cast steel shot is used in the majority of the wheel blast applications and creates a dimpled, peened surface. Only the shot's skin suffers from the impact and very thin flakes will progressively part from the shot, which itself stays round throughout its life cycle. Our steel shot is very durable with high resistance to impact fatigue, giving it an effective and quick cleaning rate.

Our (HQ) cast steel shot is used in various applications like; desanding, descaling, cleaning, shot peening etc..

(HQ)Cast Steel Grit

(HQ)cast steel grit produces an etched or angular surface profile and is well suited for cleaning, descaling, etching and desanding applications. Our high quality steel grit has a long service life and is used in wheel blast machines and blast rooms.

Stainless Steel Abrasives

Companies casting or fabricating stainless aluminium or light alloy parts can safely use stainless steel abrasives, since it leaves no ferrous residue contamination and it achieves effective blasting performances. Stainless steel abrasives are very durable and are being used for deburring, blast cleaning and surface finishing.

Cut Wire

Unconditioned carbon steel cut wire is used for blast cleaning operations. The cut wire is very aggressive and therefore quite effective in heavy duty operations, but wear more on wheel blast machine parts. Conditioned steel cut wire is used in shot peening applications where high carbon steel shot doesn't provide a stable enough operation mix. Stainless steel cut wire is available as cut or conditioned.



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