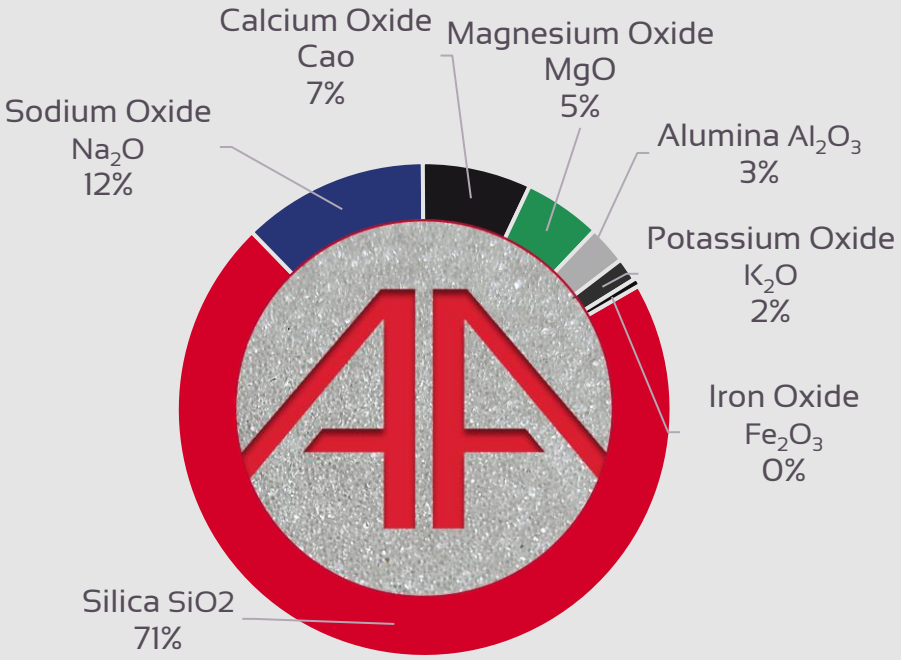
ABV

GLASS BEADS

Glass microbeads are a **precision blasting media** for **damage-free cleaning**, **maintaining tolerances**, and are also suitable for **deburring** and **satin finishing applications on metal parts** made of aluminum, brass, or stainless steel. Their chemical inertness (insolubility in water or oil) ensures no contamination of the treated parts. High-quality, durable **silico-sodo-calcium glass microbeads** (free of free silica) are **manufactured from recycled glass in France**.



PACKAGING

Bag 25 kg

Bag 10 kg

Bag 5 kg

Grain Shape	Spherical
Colour	White
Mohs Hardness	6
Density (Kg/L)	1,5 – 1,6
Melting Point	730°C
REACH number	266-046-0

ARENA CODE	GRADE FEPA F	GRIT SIZE
ABV 05	F 220	45 – 90 µm
ABV 09	F 150	70 – 150 µm
ABV 10	F 120	100 – 200 µm
ABV 15	F 80	150 – 250 µm

**For any other grain size, please contact us*

APPLICATIONS

Impact Treatment, Microblasting, Cleaning of rubber molds, glassware, Deburring, Satin finishing on stainless steel and light alloys, Appearance on stainless steel and light alloys, Post-processing of additive manufacturing 3D SLS or MJF prints

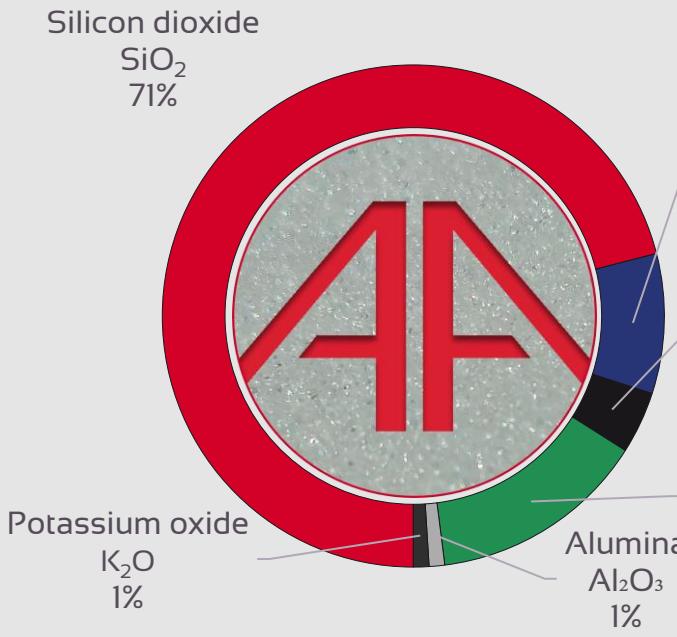
Note that the pressure should not exceed 4 bar** to avoid breaking the beads and producing angular glass.*

ARENA BLAST MACHINES

ABF

ANGULAR GLASS

Angular abrasive glass is made from **recycled silico-soda-lime glass**, which is crushed and screened to obtain angular particles. The particles have sharp edges, making them effective for **polishing and cleaning**. The glass powder is a **chemically inert product that does not contain iron.** Made from recycled glass, it helps reduce waste.



PACKAGING

Grain Shape	Angular
Colour	White
Hardness (Mohs)	6 - 7
Specific gravity	Approx. 2,5 kg/dm^3
Bulk density	1,2 à 1,8 kg/dm^3
Fusion Point	Approximately 730 °C
Production	France

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABF 10	F90	100 – 200 µm

**Pour toute autre granulométrie nous consulter*

APPLICATIONS

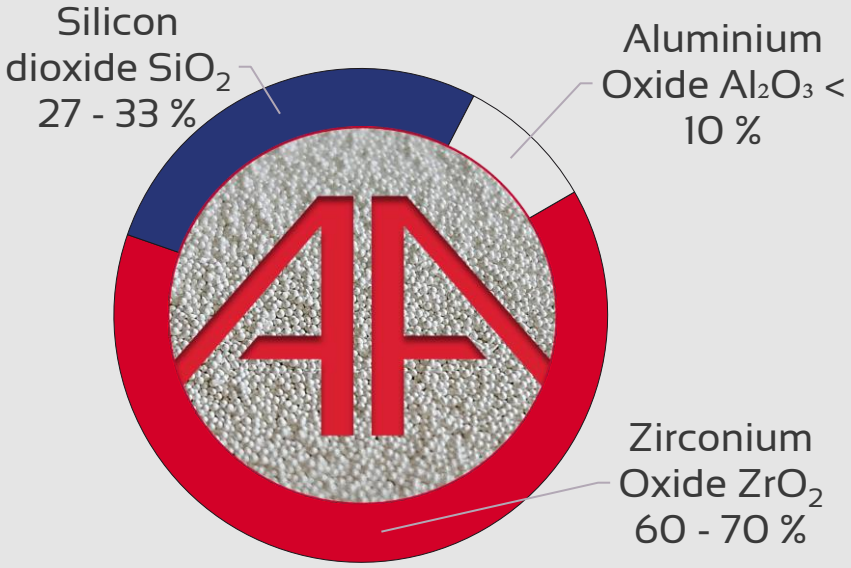
Sandblasting and cleaning of metal surfaces, preparation of surfaces before painting, or to remove rust and impurities. Smooth finish polishing to various metal and concrete surfaces. Finishing stones, cutting and polishing gemstones and building materials. Can be used in both cabinets or with free jet sandblasters.

ARENA BLAST MACHINES

ABB

CERAMIC BEADS

Ceramic microbeads **are one of the best choices when it comes to bead blasting**. They offer **superior strength to glass microbeads** and require **reasonable projection power due to their lightness**.
They are made of very **resistant zirconia oxide** and **do not contain iron**, which allows the processing of stainless steel and aluminum.
The ceramic microbead is a guarantee of durability and efficiency.



PACKAGING

Grid shape	Spherical
Colour	White
Hardness (Mohs)	7 – 7,5
Specific gravity	± 3,8 kg/dm3
Bulk density	± 2,1 – 2,4 kg/dm3
Melting Point	2 100°C
Norms	AMS 2431/7 ou NF L 06-824

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABB 60	F 80	125-250 µm
ABB 205	F 220	45-90 µm

**For any other grain size, please contact us*

APPLICATIONS

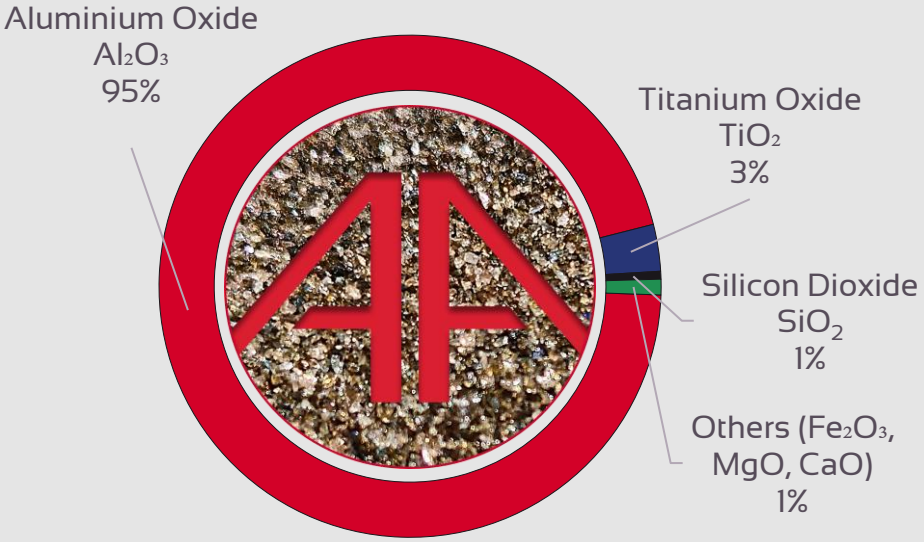
Impact treatment, hammering, surface cleaning, satin finishing, polishing, shot peening, chemical grinding, deburring and additive / 3D manufacturing SLS or MJF

ARENA BLAST MACHINES

ABC

BROWN FUSED ALUMINIUM

Mineral, angular and very resistant abrasive that is perfectly suited to the **stripping of metal parts.**
This very hard **aluminium oxide** can be **sprayed a large number of times** and is widely recommended in the bag blasting cabinet.
Brown corundum is the result of melting bauxite and alumina of high purity bauxite and alumina in an electric **arc furnace at more than 2000°C**. The **high level of titanium oxide** (TiO2) gives it **great strength** and allows it to be recycled excellently.
Brown corundum is an aluminum oxide that offers complete **chemical neutrality**. Its low density makes it possible to process fine sheet metal, without deformation, as it can be sprayed at low pressure.



PACKAGING

Grit Shape	Angular
Color	Brown
Hardness (Mohs)	9
Specific gravity	± 3.94 kg/dm³
Bulk Density	± 2 kg/dm³
Fusion point	2020 °C
N° REACH	01-2119529248-35

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABC220	220	45 – 75 µm
ABC120	120	90 – 125 µm
ABC80	80	150 – 212 µm
ABC60	60	212 – 300 µm
ABC40	40	355 – 500 µm
ABC24	24	600 – 850 µm
ABC16	16	1000 – 1400 µm

**For any other grain size, please contact us*

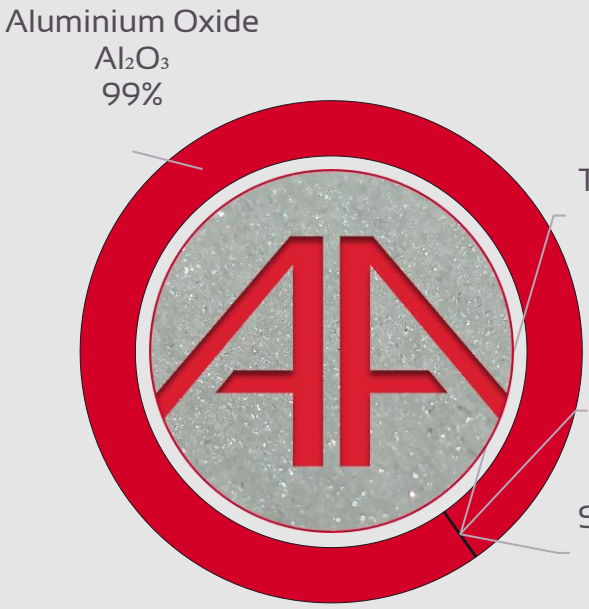
APPLICATIONS

Blasting in the booth, preparation before painting, stripping, cleaning of rust, scale, corrosion, old paints, glass engraving, deburring, satin finishing, roughness creation

ABC-B

WHITE FUSED ALUMINIUM

White corundum is a high-purity **aluminum oxide**. It is much harder than brown corundum, it is **free of impurities** and lends itself to applications that do not tolerate the presence of iron oxide because it is **non-ferrous**.
White corundum is the result of melting bauxite and alumina of high purity in an electric arc furnace at more than 2000°C.



PACKAGING

Grit Shape	Angular
Color	White
Hardness (Mohs)	9
Specific gravity	± 3,95 kg/dm^3
Bulk Density	± 2kg/dm^3
Fusion point	2040°C
N° REACH	01-2119529248-35

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABC220B	220	45 – 75 µm
ABC120 B	120	90 – 125 µm
ABC80 V	80	150 – 212 µm

**For any other particle size, please contact us*

APPLICATIONS

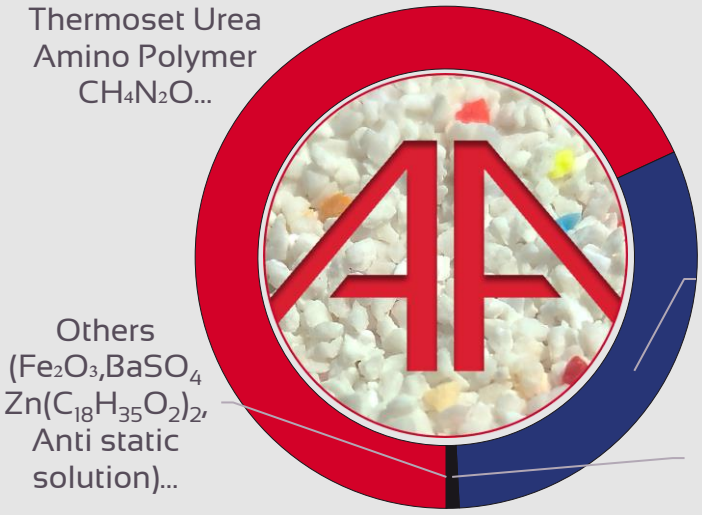
Booth sandblasting of non-ferrous materials, preparation before painting, stripping, rust cleaning, scale, corrosion, old paints, glass engraving, deburring, satin finishing, roughness creation, polishing/matting, vitrified and resinoid bonded grinding wheels

ARENA BLAST MACHINES

ABP

PLASTIC MEDIA TYPE II

The plastic guarantees impeccable **cleaning without deteriorating the initial surface** thanks to its **high-pressure projection and elasticity**. It is a so-called **scrub abrasive**.
This media is designed to be used in a pressurized bag cab ideally and to be sprayed several times.
This abrasive is **Thermoset Urea Amino Polymer**. **Type II is the most widely used** and versatile media for surface treatment. Its hardness is average in the panel of thermoformed plastic media. It can be used for surface treatment in dry or wet environments.



PACKAGING

Shape	Semi Cubical to angular
Colour	Multi colour or white beige
Hardness (Mohs)	3,0 – 3,5
Specific gravity	± 1,4 – 1,6 kg/dm^3
Bulk density	± 0,70 kg/dm^3
Norm	US MILITARY MIL-P-85891A

ARENA CODE	FEPA F	TYPE	GRIT SIZE
ABP 60/80	F 80	II	175 – 240 µm
ABP 30/40	F 36	II	425 – 600 µm
ABP 20/30	F 24	II	600 – 840 µm

**For any other particle size, please contact us*

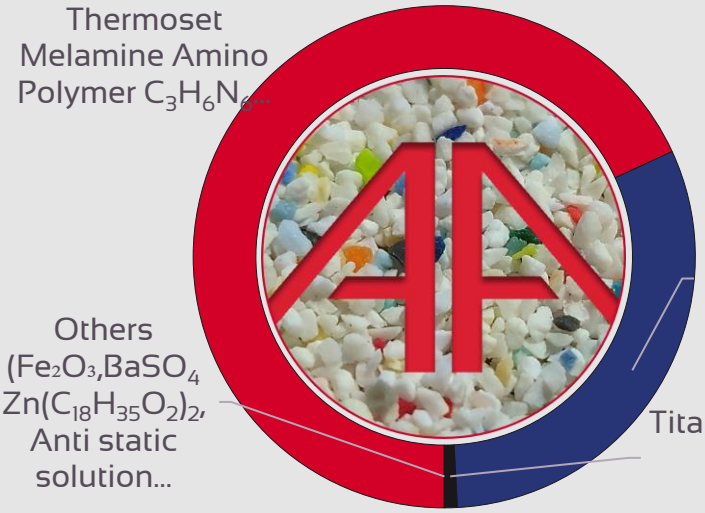
APPLICATIONS

Stripping : Painting on fuselages or other parts made of aluminium, titanium, magnesium or composite materials, bodywork without the need to hide chrome and glass.
Cleaning without material removal: Molds, Extruder Screws, Tooling, Parts, Carbon Deposit Removal, PCBs/Components.
Scrub: Markings/inscriptions on various materials such as plastic/glass

ABP M

PLASTIC MEDIA TYPE III

The plastic guarantees **impeccable cleaning without deteriorating the initial surface** thanks to its **high-pressure projection and elasticity**. It is a so-called "**scrub**" abrasive.
This media is designed to be used in a pressurized bag cab ideally and to be sprayed several times.
Type III is a Thermoset Melamine Amino Polymer. Melamine is the most aggressive and hardest of the thermoformed plastic media (**6 times more aggressive than Urea – type II**). Also, it must be chosen wisely in order to avoid any damage to delicate materials. It can be used for surface treatment in dry or wet environments.



PACKAGING

Shape	Semi Cubical to angular
Colour	Multi Colour
Hardness (Mohs)	4
Specific gravity	± 1,4 – 1,6 kg/dm^3
Bulk density	± 0,70 kg/dm^3
Norm	US MILITARY MIL-P-85891A

ARENA CODE	FEPA F	TYPE	GRIT SIZE
ABP 30/40M	F 36	III	425 – 600 µm
ABP 20/30M	F 24	III	600 – 840 µm

**For any other grain size, please contact us*

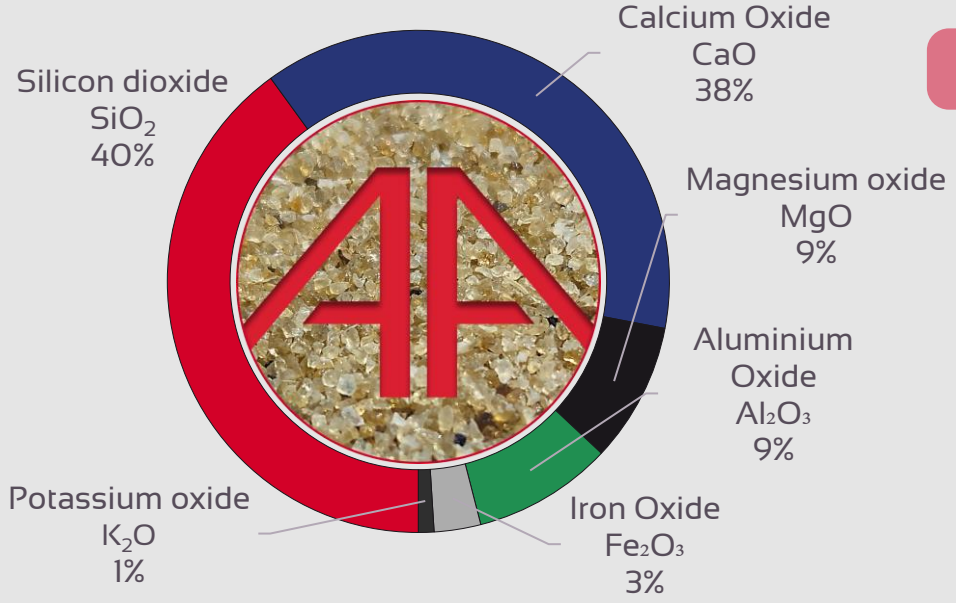
APPLICATIONS

Stripping : Painting on fuselages or other parts made of aluminium, titanium, magnesium or composite materials, bodywork without the need to hide chrome and glass.
Cleaning without material removal: Molds, Extruder Screws, Tooling, Parts, Carbon Deposit Removal, PCBs/Components.
Scrub: Markings/inscriptions on various materials such as plastic/glass

SC

CALCIUM SILICATE - SCOREX

Scorex® is a blast cleaning abrasive made from blast furnace slag, also known as **calcium silicate**. It is designed for **spray cleaning of steel and stone/concrete surfaces**, as well as for the removal of rolling ladder, rust, old paint, dirt, etc. It is suitable for SA-3, SA-21/2 and SA-2 levels, as well as SA-1, also known as sweep cleaning. It is very suitable for cleaning stone and concrete (façade cleaning) and also for sandblasting wood in fine grain sizes because it does not contain iron particles.
The Scorex® is precisely processed and calibrated and fully complies with **ISO 11126-6 and 11127 standards.** It contains less than 1% free crystalline silica.



PACKAGING

Bag of
25 kg

Shape	Angular
Colour	Light brown
Hardness (Mohs)	6 - 7
Specific gravity	1,3 – 1,4 kg/dm³
Bulk density	2,3 – 3,0 kg/dm³
Conductivity	Less than 250 µS/cm
Production	Belgium
Reach n°	01-2119487456-25-XXXX

ARENA CODE	FEPA F GRADE	GRIT SIZE
SC 06	F 70	200 – 600 µm
SC 250	F 120	100 – 315 µm

**For any other grain size, please contact us*

APPLICATIONS

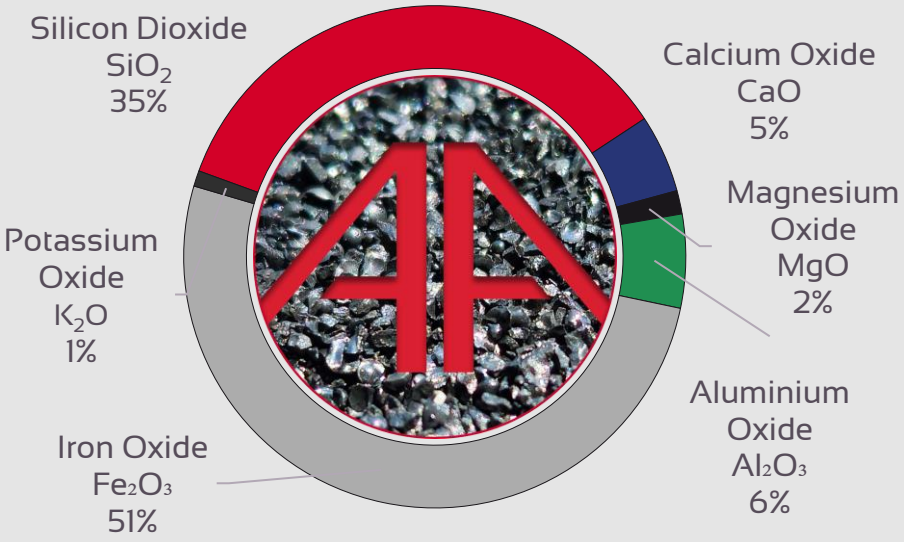
Stripping and surface preparation on all types of materials including: steel, stone, brick or wood.
Use in mobile sandblasters

AASDFXXX
XXXXO6

IRON SILICATE

During melting of **ore concentrates an iron silicate is formed**. This is passing a groove and is granulated at a temperature of approximately 1250°C, using a temperature-controlled pressurized water jet. After cooling down in a tank with fresh water, the fine particles are separated from the granulate manufactured in this way. Iron silicate is produced in accordance with DIN EN ISO 11126- 3. It is a **vitreous amorphous slag**, it **does not absorb water**. During the manufacturing of the abrasive no crushing or grinding procedures are included. Therefore, the single abrasive particle is not broken up and **retains its extreme hardness and tenacity** which is the case for all particle sizes.

Suitable for SA-3, SA-2½, SA-2 and SA-1. **It contains less than 1% free crystalline silica, so it is approved for dry blasting.**



PACKAGING

Bags
25 kg

Grit Shape	Sharp & Angular
Colour	Grey/Black
Hardness (Mohs)	> 7
Specific gravity	3.70 kg/dm^3
Bulk density	1.85 kg/dm^3
Conductivity	Less than 250 µS/cm
Production	Belgium

ARENA CODE	FEPA F	GRIT SIZE
AASDFX XXXXXX 06	F60	100 – 600 µm

For any other particle size, please contact us

APPLICATIONS

Cleaning and stripping of metal and stone/concrete, removal of chips, rust, old paint layers, impurities.
Use in mobile sandblasters, airbrushing machines

ARENA
BLAST MACHINES

ABF

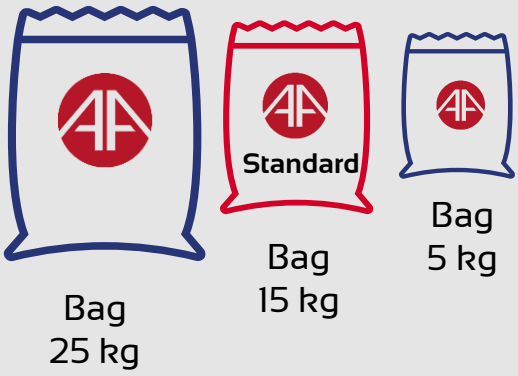
STEEL SHOT

The technology used for the production of **high-carbon steel shot** is the most advanced in the world. Our German manufacturer offers shot that complies with international SAE standards. This results in a very **high-quality martensitic angular shot**. Continuous quality control, combined with cutting-edge production processes, optimizes the shot's lifespan and the cleaning efficiency

CHEMICAL COMPOSITION

Carbon (C) : 0,80 - 1,20 %
Manganese(Mn): 0,35 – 1,20 %
Silicon (Si) : 0,40 % Min
Sulfur (S) : 0,05 % Max
Phosphorus (P) : 0,05 % Max

PACKAGING



Bag
25 kg

Bag
15 kg

Bag
5 kg

Grain Shape	Angular
Hardness	60 HRC MIN (700 HV MIN)
Specific gravity	>7 kg/dm^3
Bulk density	4,7 kg/dm^3
Production	Germany

ARENA CODE	FEPA GRADE	GRIT SIZE
ABF 120	F100	80 – 180 µm
ABF 80	F70	120 – 300 µm

**For any other grain size, please contact us*

APPLICATIONS

Blasting in turbines, blasting in air-compressed glove cabinets, sand removal, scale removal, deburring, surface preparation, pre-stressed blasting, granite sawing.
Field of activities: Foundry and forging, metallurgy, transport, energy, construction, manufacturing

ARENA
BLAST MACHINES

ABA

ROUND STEEL SHOT

The technology used for the production of **high-carbon steel shot** is the most advanced in the world. Our German manufacturer offers shot that meets international SAE standards. This results in a very **high-quality martensitic angular shot**. Continuous quality control, combined with cutting-edge production processes, optimizes the shot's lifespan and cleaning efficiency.

CHEMICAL COMPOSITION

Carbon (C) : 0,80 - 1,20 %
Manganese (Mn): 0,35 – 1,20 %
Silicon (Si) : 0,40 % Min
Sulphur (S) : 0,05 % Max
Phosphorus (P) : 0,05 % Max

PACKAGING

Grain Shape	Rounded
Hardness	approx. 45 HRC / 460 HV in cycles approx. 20 HRC / 235 HV in new condition
Specific gravity	≥ 7 kg/dm³
Bulk density	3,8 – 4,6 kg/dm³
Production	Germany

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABA40	F40	300 – 600 µm

**For any other grain size, please contact us*

APPLICATIONS

Shot peening, shot peening, stripping, grit removal, deburring, rust removal, surface finishing.
Field of activity: metallurgy, aeronautics, food, chemistry and medical.

ARENA BLAST MACHINES

ABI

STAINLESS STEEL SHOT

Stainless steel shot is obtained through melting, crushing, and sieving of Cr stainless steel. The **high chromium content provides excellent resistance to corrosion and use**. It is an abrasive that offers great durability and recyclability due to its high resistance. Recommended for surface cleaning, removal of paints and coatings, and creating surface roughness for treatments that must be free of ferrous contamination. **Ideal for the treatment of stainless steel**, galvanized steel, and aluminum.

CHEMICAL COMPOSITION

Chrome (Cr) : 27 % - 30 %
Carbon (C) : 1,95 % - 2,20 %
Silicon (Si) : 1,8 % - 2,2 %
Manganese (Mn) : 0,7 % - 1,2 %
Nickel (Ni) : 0 % - 0,5 % (traces)

PACKAGING

Grain Shape	Angular with protruding edges
Hardness	59 HRC / 710 HV
Specific gravity	>7 kg/dm^3
Bulk density	> 4,1 kg/dm^3
Production	Europe

ARENA CODE	FEPA GRADE	GRIT SIZE
ABI 80	F70	120 – 300 µm
ABI 120	F100	80 – 180 µm

**For any other grain size, please contact us*

APPLICATIONS

Surface preparation, intensive cleaning, finishing appearance on aluminium and zinc die castings, aluminium, natural stone and concrete profiles, aluminium, brass and stainless steel forgings
Industries: Automotive, aeronautics, shipbuilding, chemical and food industries

ARENA
BLAST MACHINES

ABI

ROUND STAINLESS STEEL SHOT

Round stainless steel shot is produced by **atomizing Cr Ni Stainless Steel**. After various phases to obtain round pellets, precise sieving is carried out. Its **austenitic microstructure** offers great durability, making it ideal for surface preparation and finishing. Its **stainless properties** make this product the perfect option for cases where ferrous contamination must be avoided. Suitable for free jet and turbine blasting processes. It allows for better **corrosion resistance and clean, bright finishes**.
The chemical composition of this round shot corresponds to **austenitic stainless steel**, which is a class of stainless steel commonly used due to its **corrosion resistance and good formability**.

CHEMICAL COMPOSITION

Chrome (Cr) : 16 % - 20 %
Nickel (Ni) : 7 % - 9 %
Silicon (Si) : 1,8 % - 2,2 %
Manganese (Mn) : 0,7 % - 1,2 %
Carbon (C) : 0,05 % - 0,20 %

PACKAGING

Bag
25 kg

Bag
10 kg

Bag
5 kg

Grain Shape	Rounded
Hardness	env. 45 HRC / 460 HV en cycles env. 20 HRC / 235 HV à l'état neuf
Specific gravity	>7 kg/dm^3
Bulk density	3,8 – 4,6 kg/dm^3
Production	Europe

ARENA CODE	FEPA F GRADE	GRIT SIZE
ABI 70	F70	120 – 300 µm

**For any other grain size, please contact us*

APPLICATIONS

Shot peening, shot peening, stripping, grit removal, deburring, rust removal, surface finishing.
Field of activity: aeronautics, food, chemicals and medicine.