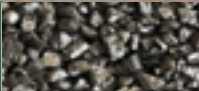



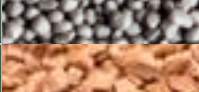





ABRASIVES

JBlast		Produced from mineral slags which are the by-product of furnace operations.	3
Stonegrit		A blended material combining both mineral slags and synthetic material to create a specialist abrasive product.	3
Calcium Silicate		A light-coloured calcium silicate synthetic mineral abrasive produced from the by-product of furnace operations.	4
Aquagrit		A controlled mixture of inert recycled products including bottle bank glass.	4
Sodium Bicarbonate		Soluble, light weight, soft material commonly used on surface finishing applications where little or no profile is required to the surface.	5
Calcium Carbonate		Fine carboniferous limestone granules. A material of high purity with a controlled level of fines.	5
Garnet		A naturally occurring mineral arranged in the almandine form.	6
Brown Aluminium Oxide		A high-grade, high-purity alumina manufactured from the controlled melting of calcined bauxite, silica, coke and iron.	6
White Aluminium Oxide		A high-grade, ultra-pure alumina manufactured calcined alumina.	7
Pink Aluminium Oxide		Manufactured from calcined alumina with a small addition of chrome.	7
Glass Bead		A high grade soda lime glass bead.	8
Crushed Glass		A high-grade soda lime glass which has been crushed and graded into glass grit.	8
Steel Shot		A high standard roundness steel shot, which gives a hammered or peened effect.	9
Steel Grit		An angular steel abrasive media produced by crushing high-grade steel shot.	9
Stainless Steel Shot		A chrome-nickel stainless steel shot with an austenitic microstructure	10

Stainless Steel Grit		Stainless steel grit with a high chromium level of 30%	10
Chilled Iron		A recast fused iron abrasive media in angular form. This is a tough and aggressive metal abrasive.	11
Profilium		A reusable steel abrasive that can be used as an alternative to chilled iron or steel grit.	11
Avialite Type II		Urea amino plastic blast media manufactured from prime cured mouldings.	12
Avialite Type III		Melamine amino plastic blast media manufactured from prime cured mouldings.	12
Avialite Type V		Acrylic plastic blast media, manufactured from fully cast acrylic mouldings and sheet product.	13
Avialite Gelblast		Fine-grade amino plastic blast media.	13
Deflashing		Polyflash and Nyflash plastic media is a specially formulated polycarbonate thermoplastic media.	14
Black Silicon Carbide		A high-grade electro fused black silicon carbide manufactured by the fusion of petroleum coke and silica sand.	14
Bauxite		A high-grade calcined material produced in a rotary kiln providing a premium, highly durable abrasive product.	15
Emery		A naturally formed, mid to high quality, hard material screened and graded to be used in different sectors.	15
Sinterball		Sintered spheres of alpha alumina.	16
Walnut Shell		A natural abrasive which is from the kernel of a walnut and has been crushed and graded.	16
EnviraSponge		Abrasive media encapsulated within sponge, designed to capture dust on impact and achieve safe surface preparation.	17

**Which
properties are
important when
choosing an
abrasive?**

DENSITY

The most efficient and fastest cleaning is achieved using abrasives with higher density. Dense particles impact with more kinetic energy over a smaller surface area, resulting in a deeper profile. Dense particles also deform less, absorbing less energy upon impact.

PARTICLE SIZE

All things being equal, the bigger the particle, the deeper the indentation it will make, but blasting large particles will result in fewer impacts than an equal volume of smaller particles. Small particles clean faster, provide better coverage, and result in a more uniform profile. The most efficient approach is to use the smallest particle necessary to achieve the desired profile.

RECYCLABILITY

Whether you use expendable or recyclable abrasives will be determined by the application and the blasting equipment used to carry out the job. Expendable abrasives are mostly used in open environments, and recyclable abrasives are used in contained environments, for example in blast cabinets or blast rooms where a recycling system is implemented.

DUST LEVELS

Dust levels are particularly important when considering the environment in which the blasting is taking place. Open nozzle blasting in an uncontrolled environment will be most suited to lower dust levels. This is also the case for more hazardous environments where visibility is paramount. On the other hand, an enclosed blast booth with suitable ventilation and dust extraction can help manage dust levels.

MEDIA SHAPE

The shape of the abrasive used in an application is mostly determined by the coating being removed and/or the type of profile that needs to be created. An angular abrasive will have more of an impact on a surface than a rounded/spherical abrasive.

HARDNESS

Generally speaking, the harder the particle, the deeper the profile it will make, except in cases where a high-velocity hard particle shatters, delivering less than optimum force.

JBlast

JBlast is produced from mineral slags from the by-product of furnace operations. It was specially introduced in the 1960's to provide grit blasting contractors and industry with a safe alternative to sand as an expendable abrasive for use in portable air blast cleaning applications. Ever since JBlast has been the industry standard for quality and reliability.

- ▶ Depainting
- ▶ Surface Preparation
- ▶ Vehicles
- ▶ Metals
- ▶ Automotive
- ▶ Construction & Refurbishment
- ▶ Marine
- ▶ Open Nozzle Blasting
- ▶ Anti-Slip / Anti-Skid applications
- ▶ Aggregate / Decorative

Properties

Density	3.7 g/cm ³
Bulk Density	1.75 g/cm ³
Hardness	7 - 8 Mohs
Friability	High
Recyclability	None
Dust Levels	High
Colour	Grey/Black
Media Shape	Angular

Grades

STANDARD	1.4 - 2.5 mm
SUPA	0.2 - 1.5 mm
SUPAFINE	0.2 - 0.7 mm
SPECIAL	0.15 - 0.2 mm

Stonegrit

A blended material combining both mineral slags and synthetic material to create a specialist abrasive product.

- ▶ Stone/Masonry/Concrete
- ▶ Surface Preparation
- ▶ Construction and Refurbishment
- ▶ Open Nozzle Blasting
- ▶ Surface Finishing
- ▶ Metals
- ▶ Marine
- ▶ Wood

Properties

Density	3.1 g/cm ³
Bulk Density	1.45 g/cm ³
Hardness	6 - 7 Mohs
Friability	High
Recyclability	None
Dust Levels	High
Colour	Multi
Media Shape	Angular

Grades

COARSE	1.4 - 2.5 mm
FINE	0.2 - 1.5 mm
EXTRAFINE	0.2 - 0.7 mm

Calcium Silicate

A light-coloured calcium silicate synthetic mineral abrasive produced from the by-product of furnace operations.

- ▶ Stone/Masonry/Concrete
- ▶ Surface Preparation
- ▶ Wood
- ▶ Construction & Refurbishment

Properties

Density	2.8 g/cm ³
Bulk Density	1.35 g/cm ³
Hardness	5 - 6 Mohs
Friability	High
Recyclability	None
Dust Levels	High
Colour	Beige
Media Shape	Angular

Grades

S.C.	0.1 - 0.6 mm
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Aquagrit

A controlled mixture of inert recycled products including bottle bank glass. This abrasive is particularly suited to our slurry and wet blast machines.

- ▶ Surface Preparation
- ▶ Wet/Slurry Blasting
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Wood
- ▶ Open Nozzle Blasting
- ▶ Vapourblasting

Properties

Density	2.75 g/cm ³
Bulk Density	1.5 g/cm ³
Hardness	5 - 6 Mohs
Friability	High
Recyclability	None
Dust Levels	High
Colour	Multi
Media Shape	Angular

Grades

FINE	0.2 - 1.5 mm
EXTRAFINE	0.2 - 0.7 mm

Sodium Bicarbonate

A soluble, light weight, soft material commonly used on surface finishing applications where little or no profile is required to the surface.

- ▶ Stone/Masonry/Concrete
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Vehicles
- ▶ Wood

Properties

Density	2.2 g/cm ³
Bulk Density	2.2 g/cm ³
Hardness	2.5 Mohs
Friability	High
Recyclability	None
Dust Levels	High
Colour	White
Media Shape	Angular

Grades

ULTRA COARSE	~ 0.28 mm
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Calcium Carbonate

Fine carboniferous limestone granules. The product is crushed and screened several times, then air classified to produce a material of high purity with a controlled level of fines. It is dried to give a very low moisture content.

- ▶ Stone/Masonry/Wood/Concrete
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Vehicles
- ▶ Wood

Properties

Density	2.7 - 2.9 g/cm ³
Bulk Density	0.53 g/cm ³
Hardness	3 Mohs
Friability	Very High
Recyclability	None
Dust Levels	Very High
Colour	Off-White
Media Shape	Semi-Angular

Grades

ULTRA COARSE	1.18 - 3.35 mm
COARSE	0.6 - 1.18 mm
MEDIUM	0.15 - 1.18 mm
FINE	0.15 - 0.3 mm

Garnet

Garnet is a naturally occurring mineral. It is popular as an expendable blast media offering a cleaner application than traditional expendables, with improved cutting performance, compatibility to non-ferrous metals and low tendency to embedment. In 80 and 120 grades, the media is used extensively as a waterjet cutting media. The product is tested in accordance with ISO11126-10 and ISO11127-6 & 7 and is compliant with Rolls Royce CSS211 specification.

- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Wood
- ▶ Filtration Media
- ▶ Open Nozzle Blasting
- ▶ Marine
- ▶ Waterjet Cutting

Properties

Density	4.1 g/cm ³
Bulk Density	2.38 g/cm ³
Hardness	7 - 8 Mohs
Friability	High
Recyclability	Very Low
Dust Levels	Medium / High
Colour	Deep Red
Media Shape	Semi-Angular

Grades

GAR-MAC8/16	2.36 - 1.18 mm
GAR-MAC12/25	0.7 - 1.7 mm
GAR-MAC20/40	0.425 - 0.85 mm
GAR-MAC30/60	0.25 - 0.6 mm
GAR-MAC80	0.15 - 0.425 mm
GAR-MAC120	0.106 - 0.25 mm

Brown Aluminium Oxide

A high-grade, high-purity alumina manufactured from the controlled melting of calcined bauxite, silica, coke and iron.

Available in commercial grades and premium grades specifically approved for aerospace applications, conforming to specifications such as Rolls Royce CSS12, Airbus ABR9-0160 etc.

- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Bonded and Coated Abrasives
- ▶ Castings and Forgings
- ▶ Refractories and Furnace Linings
- ▶ Anti-Slip / Safety Flooring
- ▶ Glass & Ceramics
- ▶ Plastics & Composites
- ▶ Metals
- ▶ Polishing

Properties

Density	3.95 g/cm ³
Bulk Density	1.64 - 1.88 g/cm ³
Hardness	9 Mohs
Friability	Medium
Recyclability	High
Dust Levels	Medium
Colour	Brown
Media Shape	Angular

Grades

BA12	~ 1.765 mm
BA20	~ 1.04 mm
BA36	~ 0.525 mm
BA54	~ 0.310 mm
BA80	~ 0.185 mm
BA120	~ 0.109 mm
BA180	~ 0.069 mm
BA220	~ 0.058 mm

All FEPA grades available. Our most popular sizes are shown.

White Aluminium Oxide

A high-grade, ultra-pure alumina manufactured calcined alumina. Available in commercial grades and premium grades specifically approved for aerospace applications, such as Rolls Royce CSS12, Airbus ABR9-0160 etc.

- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Bonded and Coated Abrasives
- ▶ Castings and Forgings
- ▶ Refractories and Furnace Linings
- ▶ Anti-Slip / Safety Flooring
- ▶ Glass & Ceramics
- ▶ Plastics & Composites
- ▶ Metals
- ▶ Polishing

Properties

Density	3.95 g/cm ³
Bulk Density	1.64 - 1.88 g/cm ³
Hardness	9.5 Mohs
Friability	Low
Recyclability	High
Dust Levels	Medium
Colour	White
Media Shape	Angular

Grades

WA12	~ 1.765 mm
WA20	~ 1.04 mm
WA36	~ 0.525 mm
WA54	~ 0.31 mm
WA80	~ 0.185 mm
WA120	~ 0.109 mm
WA180	~ 0.069 mm
WA220	~ 0.058 mm

All FEPA grades available.
Our most popular sizes are shown.

Pink Aluminium Oxide

Our pink fused alumina manufactured from calcined alumina with a small addition of chrome. One of the toughest fused aluminas available, the addition of typically 0.2% chrome within the melt of the fusion process renders a tougher grain than that of white fused alumina.

- ▶ Wet/Slurry Blasting
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Glass & Ceramics
- ▶ Bonded and Coated Abrasives
- ▶ Castings and Forgings

Properties

Density	3.89 g/cm ³
Bulk Density	1.64 - 1.88 g/cm ³
Hardness	9.5 Mohs
Friability	Low
Recyclability	High
Dust Levels	Medium
Colour	Pink
Media Shape	Angular

Grades

PINK36	~ 0.525 mm
PINK60	~ 0.260 mm
PINK80	~ 0.185 mm
PINK120	~ 0.109 mm
PINK150	~ 0.082 mm
PINK180	~ 0.069 mm

All FEPA grades available.
Our most popular sizes are shown.

Glass Bead

A high-grade soda lime glass bead manufactured by the process of cascading a granulated soda lime glass powder or grain into a vertical kiln and then using the effect of softening the glass and gravity to cause the rounding of the glass grit or cullet. This technique has been refined to produce a sphere that is almost perfectly round, and in the reflective product, produces a prism that can have refractive indices as high as 2. Available in commercial, premium AMS and military specifications.

- ▶ Polishing
- ▶ Shot Peening
- ▶ Surface Finishing
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Anti-Slip / Safety Flooring
- ▶ Automotive
- ▶ Castings and Forgings
- ▶ Coatings/Paints/Resins

Properties

Density	2.55 g/cm ³
Bulk Density	1.5 g/cm ³
Hardness	5 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Low
Colour	Clear/White
Media Shape	Spherical

Grades

GBBT3	0.590 - 0.840 mm
GBBT4	0.420 - 0.590 mm
GBBOL21	0.250 - 0.420 mm
GBBOL23	0.177 - 0.297 mm
GBBOL24	0.149 - 0.250 mm
GBBOL25	0.105 - 0.210 mm
GBBOL26	0.074 - 0.149 mm
GBBOL27	0.053 - 0.105 mm
GBBT13	0.044 - 0.088 mm
GBBOL30	0.030 - 0.062 mm

Crushed Glass

A high-grade soda lime glass which has been crushed and graded into glass grit.

- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Graffiti Removal
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Wood
- ▶ Bonded and Coated Abrasives
- ▶ Coatings/Paints/Resins
- ▶ Anti-Slip / Safety flooring

Properties

Density	2.5 g/cm ³
Bulk Density	1.5 g/cm ³
Hardness	5 Mohs
Friability	High
Recyclability	None
Dust Levels	Medium / High
Colour	Clear / White
Media Shape	Angular

Grades

CG2000/3000	2.0 - 3.0 mm
CG1700/3000	1.7 - 3 mm
CG800/1700	0.8 - 1.7 mm
CG600/800	0.6 - 0.8 mm
CG300/800	0.3 - 0.8 mm
CG300/600	0.3 - 0.6 mm
CG200/300	0.2 - 0.3 mm

Steel Shot

A high standard roundness steel shot, which gives a hammered or peened effect for use on ferrous castings and fabrications. Available in commercial and military grades which comply with MIL-S-13165C and AMS 2431.

- ▶ Ferrous Substrates
- ▶ Shot Peening
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Diffused and Plasma Coatings
- ▶ Powder Coating and Stove Enamelling
- ▶ Ballast

Properties

Density	7.8 g/cm ³
Bulk Density	4.6 g/cm ³
Hardness	45 - 52 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Blue / Grey
Media Shape	Spherical

Grades

SS780	2.00 - 2.80 mm
SS660	1.70 - 2.40 mm
SS550	1.40 - 2.00 mm
SS460	1.20 - 1.70 mm
SS390	1.00 - 1.40 mm
SS330	0.85 - 1.20 mm
SS280	0.71 - 1.00 mm
SS230	0.60 - 0.85 mm
SS170	0.42 - 0.71 mm
SS110	0.30 - 0.50 mm
SS70	0.18 - 0.35 mm

Steel Grit

An angular steel abrasive media produced by crushing high-grade steel shot. Steel Grit provides a grey hammered finish. Available in Standard, Medium and Hard specifications.

- ▶ Ferrous Substrates
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Ballast

Properties

Density	7.8 g/cm ³
Bulk Density	4.6 g/cm ³
Hardness	
Standard	44 - 50 HRC
Medium	54 - 60 HRC
Hard	64 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Blue/Grey
Media Shape	Angular

Grades

SG12	1.70 - 2.40 mm
SG14	1.40 - 2.00 mm
SG16	1.20 - 1.70 mm
SG18	1.00 - 1.40 mm
SG25	0.70 - 1.20 mm
SG40	0.42 - 1.00 mm
SG50	0.30 - 0.71 mm
SG80	0.18 - 0.42 mm

Stainless Steel Shot

A chrome-nickel stainless steel shot with an austenitic micro-structure used mainly for the treatment of non – ferrous metals and stainless steel parts.

- ▶ Surface Preparation
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Alloy Wheel Repair and Refurbishment
- ▶ Diffused and Plasma Coatings
- ▶ Nuclear and Power Generation
- ▶ Oil and Gas Industries
- ▶ Peening
- ▶ Ballast

Properties

Density	7.6 g/cm ³
Bulk Density	4.7 g/cm ³
Hardness	36 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Grey / Silver
Media Shape	Spherical

Grades

S/SS200	1.18 - 2.00 mm
S/SS150	1.00 - 1.70 mm
S/SS100	0.85 - 1.40 mm
S/SS60	0.50 - 1.18 mm
S/SS50	0.425 - 1.00 mm
S/SS40	0.30 - 0.85 mm
S/SS30	0.125 - 0.50 mm
S/SS20	0.075 - 0.355 mm
S/SS10	0.075 - 0.180 mm

Stainless Steel Grit

A Stainless Steel grit with a high chromium level of 30%, used as an alternative to corundum with benefits including a more stable operating mix and reduced abrasive consumption.

- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Alloy Wheel Repair and Refurbishment
- ▶ Diffused and Plasma Coatings
- ▶ Nuclear and Power Generation
- ▶ Oil and Gas Industries
- ▶ Peening
- ▶ Ballast

Properties

Density	7.4 g/cm ³
Bulk Density	
Hardness	58 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Grey / Silver
Media Shape	Angular

Grades

S/SG200	1.40 – 2.36 mm
S/SG150	1.18 – 2.00 mm
S/SG100	1.00 – 1.70 mm
S/SG60	0.71 – 1.18 mm
S/SG50	0.60 – 1.00 mm
S/SG40	0.425 – 0.85 mm
S/SG30	0.18 – 0.60 mm
S/SG20	0.125 – 0.355 mm
S/SG10	0.075 – 0.18 mm

Chilled Iron

A recast fused iron abrasive media in angular form. This is a tough and aggressive metal abrasive, which offers a clean cutting edge with every pass. Due to its high aggression and ferrous make up this product is specified for use on ferrous substrates or materials where ferrous cross contamination is acceptable.

- ▶ Ferrous Substrates
- ▶ Rust Removal
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Descaling
- ▶ Ballast

Properties

Density	7 g/cm ³
Bulk Density	3.5 - 4 g/cm ³
Hardness	62 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Grey
Media Shape	Angular

Grades

G47	1.20 - 1.70 mm
G34	0.85 - 1.20 mm
G24	0.60 - 1.00 mm
G17	0.42 - 0.85 mm
G12	0.30 - 0.71 mm
G07	0.18 - 0.42 mm

Profilium

Profilium is a reusable steel abrasive that can be used as an alternative to chilled iron or steel grit.

- ▶ Ferrous Substrates
- ▶ Rust Removal
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Descaling
- ▶ Ballast

Properties

Density	7.8 g/cm ³
Bulk Density	4.6 g/cm ³
Hardness	66 HRC
Friability	Very Low
Recyclability	Very High
Dust Levels	Very Low
Colour	Grey
Media Shape	Angular

Grades

PRO23	0.71 mm
PRO45	0.42 mm
PRO58	0.30 mm
PRO85	0.18 mm

Avialite Type II

Urea amino plastic blast media manufactured from prime cured mouldings. Available in commercial and Military specifications, such as Rolls Royce CSS227 and MIL-P-85891A.

- ▶ Military
- ▶ Automotive
- ▶ Electronics
- ▶ Graffiti Removal
- ▶ Aerospace
- ▶ Tyre & Rubber Applications
- ▶ Plastic Moulding

Properties

Density	1.4 - 1.6 g/cm ³
Bulk Density	0.7 g/cm ³
Hardness	3 - 3.5 Mohs
Friability	Medium
Recyclability	High
Dust Levels	Very Low
Colour	Multi to White / Beige
Media Shape	Semi-cubical / Angular

Grades

T2 12/16	12/16
T2 16/20	16/20
T2 12/20	12/20
T2 20/30	20/30
T2 30/40	30/40
T2 20/40	20/40
T2 40/60	40/60
T2 60/80	60/80

Avialite Type III

Melamine amino plastic blast media manufactured from prime cured mouldings. Available in commercial, Aerospace and Military specifications, such as Rolls Royce CSS227 and MIL-P-85891A.

- ▶ Military
- ▶ Automotive
- ▶ Electronics
- ▶ Graffiti removal
- ▶ Aerospace
- ▶ Tyre & Rubber Applications
- ▶ Plastic Moulding

Properties

Density	1.4 - 1.6 g/cm ³
Bulk Density	0.7 g/cm ³
Hardness	3.5 - 4 Mohs
Friability	Medium
Recyclability	High
Dust Levels	Very Low
Colour	Multi
Media Shape	Semi-Cubical / Angular

Grades

T3 12/16	12/16
T3 16/20	16/20
T3 12/20	12/20
T3 20/30	20/30
T3 30/40	30/40
T3 20/40	20/40
T3 40/60	40/60
T3 60/80	60/80

Avialite Type V

Acrylic plastic blast media that is manufactured from fully cast acrylic mouldings and sheet product. Available in commercial, Aerospace and Military specifications, such as Rolls Royce CSS227 and MIL-P-85891A.

- ▶ Aircraft Bodies
- ▶ Depainting
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Glass & Ceramics
- ▶ Wood
- ▶ Aerospace
- ▶ Automotive

Properties

Density	1.15 - 1.2 g/cm ³
Bulk Density	0.58 - 0.65 g/cm ³
Hardness	2.5 - 3.0 Mohs
Friability	Medium
Recyclability	High
Dust Levels	Very Low
Colour	Multi
Media Shape	Semi-cubical / Angular

Grades

T5 12/16	12/16
T5 16/20	16/20
T5 12/20	12/20
T5 20/30	20/30
T5 30/40	30/40
T5 20/40	20/40
T5 40/60	40/60
T5 60/80	60/80

Avialite Gelblast

Fine grade amino plastic blast media. Used mostly as an alternative to Sodium Bicarbonate and mainly used to remove paint and coatings from aluminium and composite materials without damaging the substrate.

- ▶ Depainting
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Vehicles
- ▶ Graffiti Removal
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Soda Blasting
- ▶ Vapourblasting

Properties

Density	1.47 - 1.52 g/cm ³
Bulk Density	0.7 g/cm ³
Hardness	3.5 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Very Low
Colour	White
Media Shape	Semi-Cubical

Grades

GEL2	< 0.18 mm
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Deflashing

Polyflash and Nyflash plastic media is a specially formulated polycarbonate thermoplastic media. Produced from virgin PC or prime recycled product, the media, is extruded and pelletised into a cylinder or cube shapes in a range of sizes with exceptionally tight dimensional tolerances.

- ▶ Deburring
- ▶ Deflashing
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Aerospace Composites

Properties

Density	1.1 - 1.23 g/cm ³
Bulk Density	0.7 g/cm ³
Hardness	3.0 - 3.2 Mohs
Friability	Low
Recyclability	Medium
Dust Levels	Low
Colour	Various
Media Shape	Cubical or Cylindrical

Grades

Contact us for the part number	2.00 mm
	1.50 mm
	1.20 mm
	1.00 mm
	0.75 mm
	0.50 mm
	0.40 mm
	0.30 mm
	0.20 mm

Available in a range of colours.
Our most popular sizes are shown.

Black Silicon Carbide

A high-grade electro fused black silicon carbide manufactured by the fusion of petroleum coke and silica sand.

- ▶ Polishing
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Aerospace Castings
- ▶ Anti Slip Flooring, Resins and Paints
- ▶ Bonded and Coated Abrasives

Properties

Density	3.2 g/cm ³
Bulk Density	1.64 - 1.88 g/cm ³
Hardness	9 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Low
Colour	Black Iridescent
Media Shape	Angular

Grades

BSC12	~ 1.765 mm
BSC20	~ 1.040 mm
BSC30	~ 0.625 mm
BSC36	~ 0.525 mm
BSC54	~ 0.310 mm
BSC80	~ 0.185 mm
BSC120	~ 0.109 mm
BSC180	~ 0.069 mm
BSC280	~ 0.036 mm

All FEPA grades available.
Our most popular sizes are shown.

Bauxite

A high-grade calcined material produced in a rotary kiln providing a premium, highly durable abrasive product. Available in both grey and buff.

- ▶ Anti-Skid / Road Maintenance
- ▶ Anti-Slip / Safety Flooring
- ▶ Refractories and Furnace Linings

Properties

Density	3.0 g/cm ³
Bulk Density	1.3 - 1.4 g/cm ³
Hardness	8 - 9 Mohs
Friability	N/A
Recyclability	N/A
Dust Levels	N/A
Colour	Grey or Beige
Media Shape	Semi-Angular

Grades

BBAUX1-3	1 - 3 mm
GBAUX1-3	1 - 3 mm
BBAUX09-14	0.9 - 1.4 mm
GBAUX09-1.4	0.9 - 1.4 mm

Emery

A naturally formed, mid to high quality, hard material screened and graded to be used in different sectors.

- ▶ Anti-Skid / Road Maintenance
- ▶ Anti-Slip / Safety Flooring
- ▶ Refractories and Furnace Linings
- ▶ Fillers & Additives

Properties

Density	3.5 g/cm ³
Bulk Density	1.3 - 1.9 g/cm ³
Hardness	7.5 - 8.5 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Medium
Colour	Grey / Black
Media Shape	Semi-Angular

Grades

EME5-3	3 - 5 mm
EME3-2	2 - 3 mm
EME3-1	1 - 3 mm
EME2-1	1 - 2 mm

Walnut Shell

A natural abrasive which is from the kernel of a walnut and has been crushed and graded.

- ▶ Deburring
- ▶ Depainting
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Vehicles
- ▶ Metals
- ▶ Plastics & Composites
- ▶ Glass & Ceramics
- ▶ Wood

Properties

Density	1 - 1.3 g/cm ³
Bulk Density	0.45 - 0.65 g/cm ³
Hardness	2.5 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Low
Colour	Beige / Brown
Media Shape	Semi-Angular

Grades

Grade 1	1.0 - 2.5 mm
Grade 2	1.0 - 2.0 mm
Grade 3	0.7 - 1.5 mm
Grade 4	0.65 - 1.0 mm
Grade 5	0.45 - 0.80 mm
Grade 6	0.3 - 0.6 mm

Sinterball

Sintered Spheres of Alpha Alumina, originally designed as a media for opening oil wells, this product has established itself as a long-life alumina product of particular use in the monumental masonry trade.

- ▶ Etching
- ▶ Stone & Masonry
- ▶ Surface Finishing
- ▶ Surface Preparation
- ▶ Metals
- ▶ Glass & Ceramics
- ▶ Anti-Slip / Safety Flooring
- ▶ Anti-Slip Resins and Paints
- ▶ Bonded and Coated Abrasives
- ▶ Vapourblasting

Properties

Density	3.0 g/cm ³
Bulk Density	2.2 g/cm ³
Hardness	9 Mohs
Friability	Medium
Recyclability	Medium
Dust Levels	Low
Colour	Black
Media Shape	Spherical

Grades

SIN12/20	12/20
SIN20/40	20/40
SIN40/70	40/70
SIN50/70	50/70

EnviraSponge

Abrasive media encapsulated within Sponge, designed to capture dust on impact and achieve safe, sustainable surface preparation whilst also being environmentally responsible. EnviraSponge is recyclable and minimises waste generated during surface cleaning, reduces downtime on site and the need for on-site dust extraction. Sponge can be used to encapsulate most media, with the most popular being aluminium oxide.

- ▶ Offshore
- ▶ Surface Finishing & Preparation
- ▶ Metals
- ▶ Bridges and Station Cleaning
- ▶ Nuclear and Power Generation
- ▶ Oil and Gas Industries
- ▶ Rail Industry
- ▶ Marine
- ▶ Storage Tanks

Properties

Density	Variable on media type
Bulk Density	Variable on media type
Hardness	Variable on media type
Friability	Low / Medium
Recyclability	Medium
Dust Levels	Low
Colour	Variable on media type
Media Shape	Angular / Irregular

Grades

ESG17	Chilled Iron 17
ESA16	Aluminium Oxide 14/24
ESA30	Aluminium Oxide 30/40
ESA60	Aluminium Oxide 60/80
ESA80	Aluminium Oxide 80/100
ESA120	Aluminium Oxide 120
ESA220	Aluminium Oxide 220
ESA500	Aluminium Oxide 500
ESGT30	Garnet 30/60
ESGB60	Glass Bead 60/100

Additional Grades and Blended medias are also available.

Quality and Research

Our state-of-the-art abrasive manufacturing facility in Sheffield ensures production continuity and the ability to produce the finest quality product. With a UK-based warehouse space in excess of 3500 m² we can stock a huge range of abrasives so that we can meet our customers' requirements and deadlines.

Within our facility we have a dedicated abrasive laboratory. Stringent testing is completed on all batches, guaranteeing quality every time. All premium products are fully certified to the required standard.

Our technical sales force are experts in their field, helping our customers to choose not only the correct equipment but the most appropriate and cost-effective abrasive for your application, assuring we provide the best level of knowledge and customer care to every job.

Media Reprocessing and Disposal

As a licensed waste broker/carrier, we work with a range of recycling plants and customers in order to find a variety of additional uses for your spent products.

WHAT SPENT MATERIAL CAN YOU RECYCLE?

Hodge Clemco can broker the collection, recycling or disposal of most spent medias including: Fused aluminas, bauxite, plastics, glass and many more.

HOW LITTLE/MUCH WILL YOU COLLECT?

We can arrange for material to be collected in volumes ranging from as little as one pallet to full truck loads. Our team will work with you to arrange collections once a week, once a month or on an adhoc basis. We understand that your waste needs can change due to a variety of factors.

WHAT HAPPENS TO MY SPENT PRODUCT?

Every customer is unique (media purchased, equipment used etc.) and the used materials are treated in the same way. We take the time to understand your process, the material generated and potential applications for its reuse to ensure the most cost-effective solution is offered for each product collected. Using both in-house technology and third-party processing capabilities, we are able to offer tailor-made recycled materials to support customers across a wide range of industry sectors.

Please contact our sales team for further information: call 0114 254 0600 or email recycling@hodgeclemco.co.uk





Manufacturers & Suppliers of:

Blast Rooms

Blast Cabinets

Blast Machines

IBIX Blast Machines

EnviraSponge Systems

Spares

PPE

Bespoke Equipment

Recyclable Abrasives

Expendable Abrasives

Paint Spray Equipment

Inspection & Testing Equipment

Servicing

Training

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