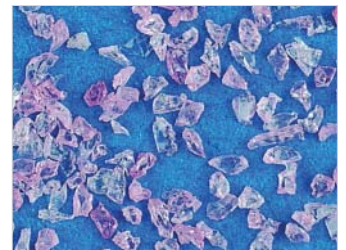
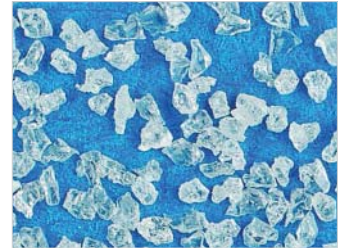
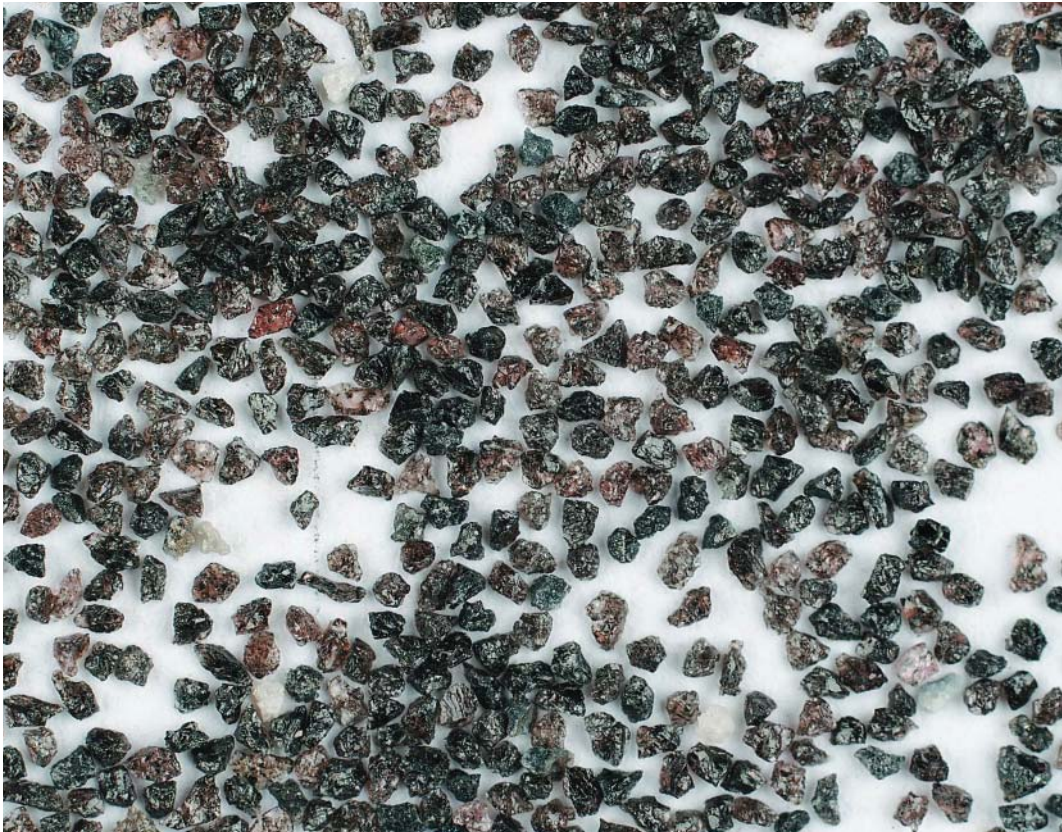


## Fused alumina blast media



Wheelabrator Plus offers brown, white and pink fused alumina conforming to all major aerospace and other high-tech user's specifications. In addition Wheelabrator Plus also offers commercial quality virgin brown alumina and economically priced reclaimed alumina for less demanding applications.

**White** - Is the hardest, sharpest and most pure form of fused alumina. It is particularly suited to applications demanding high cutting ability, most notably on hard materials, and for those cases where freedom from contamination is of prime importance. It is suitable

for use on both ferrous and non-ferrous surfaces, in both wet and dry blast cabinets.

**Pink** - Combines the sharpness of white and the toughness of brown to produce an abrasive ideal for a wide range of impact treatment processes on surfaces of widely different hardness. It is suitable for use on both ferrous and non-ferrous surfaces, and in wet and dry blast cabinets.

**Brown** - Is the toughest of the fused aluminas, and offers durability and economy. It is widely used in the aerospace, nuclear and defence industries and as a general

purposeblasting medium. Suitable for use on both ferrous and non-ferrous surfaces in wet and dry blast cabinets.

**Reclaimed Alumina** - An economically priced material manufactured from a blend of recycled abrasives, and graded to suit most general blasting applications. Suitable for use on ferrous and non-ferrous surfaces and in dry blast cabinets only.

For more information please contact:

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E: uk-info@wheelabratorgroup.co.uk



# Fused alumina blast media

## Technical specifications

### Stocks

Wheelabrator Plus holds extensive stocks of over 400 tons of mixed abrasives and generally aims to deliver within 3-5 working days from receipt of order.

### Grades available

FEPA macro and micro grades available, and for the blasting industry specifically, sieved split grades.

### Approvals

CSS12 ABR-g-0160  
ABP1-20321/2033

### Packaging

Standard packaging in 25kg bags.

### Health & Safety

Aluminium oxide is non-toxic and non-hazardous, and contains no free silica.

The material as supplied requires no special disposal precautions however, users should be aware of the possible contamination from their own process, if in doubt seek advice from your local authority.

### Sieving specification, Fused Alumina - FEPA. Bonded standard

Grit	No. 1 Sieve 100% Must Pass	No. 2 Sieve		No. 3 Sieve minimu %Residue		No. 3 + 4 Cum min %Residue		No. % Sieve max 3% Thru Sieve
		Sieve	Residue	Sieve	%Residue	Sieve	%Residue	
8	5	7	0-20	8	45	8 + 10	70	12
10	6	8	0-20	10	45	10 + 12	70	14
12	7	10	0-20	12	45	12 + 14	70	16
14	8	12	0-20	14	45	14 + 16	70	18
16	10	14	0-20	16	45	16 + 18	70	20
20	12	16	0-20	18	45	18 + 20	70	25
24	16	20	0-25	25	45	25 + 30	65	35
30	18	25	0-25	30	45	30 + 35	65	40
36	20	30	0-25	35	45	35 + 40	65	45
46	30	40	0-30	45	40	45 + 50	65	60
54	35	45	0-30	50	40	50 + 60	65	70
60	40	50	0-30	60	40	60 + 70	65	80
70	45	60	0-25	70	40	70 + 80	65	100
80	50	70	0-25	80	40	80 + 100	65	120
90	60	80	0-20	100	40	100 + 120	65	140
100	70	100	0-20	120	40	120 + 140	65	200
120	80	120	0-20	140	40	140 + 170	65	230
150	100	140	0-15	200	40	200 + 230	65	325
180	120	170	0-15	200 + 230*	40	200 + 230 + 270**	65	-
220	140	200	0-15	230 + 230*	40	230 + 270 + 325**	65	-

\*no 3+4 sieves \*\*no 3+4+5 sieves Test sieve ASTM E11-87, FEPA Standard 42-GB-1984 (FEPA=Federation of European Producers of Abrasives)

### FEPA 'F' series microgrits

Size Designation Mesh microns	Mean particle			
	Size (micr.)	97% limit max.	6% limit min	
F230	53	53	82	34
F240	45	44.5	70	28
F280	37	36.5	59	22
F320	29	29.2	49	16.5
F360	23	22.8	40	12
F400	17	17.3	32	8
F500	13	12.8	25	5
F600	9	9.3	19	3
F800	7	6.5	14	2
F1000	5	4.5	10	1
F1200	3	3	7	1@20%

### Physical properties

	White	Pink	Brown	Brown	Reclaims
Specific Gravity	3.94	3.94	3.94	3.94	3.94
Hardness (K100)	1800-2300	2050	1700-2000	1700-2000	1800-2100
Typical chemical analysis:					
Al <sub>2</sub> O <sub>3</sub>	99.81	99.52	96.12	95.20	80.10
Cr <sub>2</sub> O <sub>3</sub>		0.25			
TiO <sub>2</sub>	0.004	0.004	2.70	2.70	0.70
SiO <sub>2</sub>	0.02	0.02	0.67	0.67	11.60
Fe <sub>2</sub> O <sub>3</sub>	0.035	0.05	0.11	0.11	0.20
CaO	0.006	0.01	0.05	0.05	
Na <sub>2</sub> O	0.11	0.26			
K <sub>2</sub> O	0.01				
MgO			0.40		
Acid extractable iron	<0.04	<0.05	<0.1	<0.4	<1%