



SRS Grit Garnet

Is derived from mined almandine mineral deposits. Almandine is the heaviest and hardest of all the garnet types in the garnet family group, resulting in an ideal abrasive grain for blasting applications.

Once extracted, the raw material is processed to remove chlorides and sulphates, magnetically screened to remove ferrous particulate and finally screened to the desired size range.



Being an inert, non-toxic mineral, containing less than 0.1% free silica, SRS Grit is an environmentally safe, user friendly alternative to silica sand and other expendable abrasive. SRS Grit Garnet particles are sub-angular in shape resulting in extremely fast cutting rates and low abrasive consumption. The high specific gravity of the abrasive grains and the low breakdown rate, results in significantly reduced dust levels, thus ensuring good operator visibility and less risk to personnel or environmental contamination in surrounding areas. The low consumption rate and the recyclability, up to 5 times, also ensures the volume of waste generated for disposal is minimized.

SOUTH AFRICA

Reg No.: 2012/093005/07

Johannesburg Office

Address: 17 President St, Germiston, 1400,

Phone: +27 11 056 6744

Phalaborwa Office

Address: 297 Bufferzone Makhushane, Namakgale, Phalaborwa, 1391

Phone: +27 15 110 0500

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Address: 17 Ian Flemming Road, Office Number 5, Kathu, 8446

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Durban Office:

Address: 11 Palm Lake Estate, Durban

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GHANA OFFICE

Address: Nana Kroon, Accra East Legon Hill, Ghana

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LEBANON OFFICE

Address: Ajen All Dleb Saïda, Lebanon

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Being a naturally occurring mineral SRS Grit is also a non-pollutant to the environment. Blast cleaning production rates using SRS Grit are greatly increased when compared to other expendable abrasives. This factor, along with the reduced amount of abrasive consumed can lead to significant cost savings per square meter blasted and often results in SRS Grit Garnet being the most cost effective abrasive available for the blasting project. SRS Grit is also utilized as a cutting media in water jet cutting and as a filtration media.

In addition, containing minimal ferrous particles SRS Grit can be utilized to blast corrosion resistant steels and non-ferrous products without the risk of ferrous contamination to the surface.

SRS Grit is processed under stringent quality control regulations to ensure the size and distribution of particles in the abrasive mix is maintained at the correct proportion. This ensures an accurate, consistent surface profile is maintained. A surface cleanliness of Class Sa3, even on heavily pitted and corroded steel, is easily achievable with SRS Grit and abrasive embedment into the surface is minimal.

SRS Grit Abrasive Properties:

Shape	Angular free - flowing Grit
Hardness (Moh Scale)	7.5 – 8.0
Particle S.G.	4.1
Conductivity (ms/m)	< 25
Bulk Density (kg/m³)	2400
Size Standard	ASTM
Colour	Dark Pink
Radioactivity (Limit 10 Bq/kg)	Undetected

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Typical Chemical Composition	
Almandine Garnet %	97 - 98
Ilmenite %	1 - 2
Quartz %	<0.5
Zircon %	<0.2

SRSgrit Available Sizes:

Grade	BR1	CB1	CB2	SB1	PB1	PF1	PF2	PF3
Microns	150	180	250	200 - 500	250 - 600	425 - 850	850 - 1180	850 - 2000
Inch (.001")	0.006	0.007	0.009	0.008-0.020	0.009-0.023	0.016-0.033	0.033-0.046	0.033-0.078

Other sizes are available upon request.

SRSgrit Packaging:

25kg Bags, 1 Tonne Bulk Bag (40 × 25 kg Bags)	2 Tonne Bulk Bag
	1 Tonne Bulk Bag

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