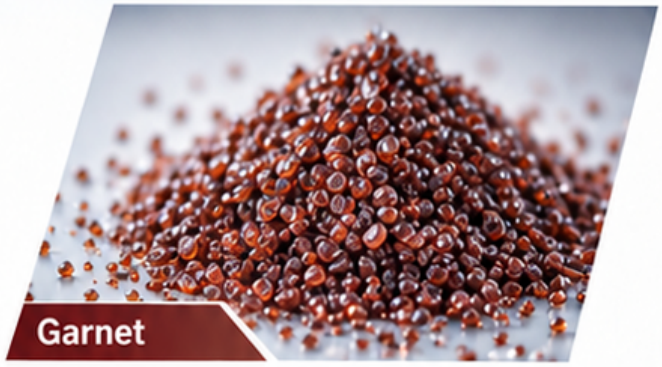
One Stop Local Supply Source
Global Products - Local Service
PanAbrasives

EnviroGrit™ Garnet

Product Description and Technical Data:

EnviroGrit™ 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, EnviroGrit™ is an environmentally safe, user friendly alternative to silica sand and other expendable abrasive.

EnviroGrit™ 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 minimised.Being a naturally occurring mineral EnviroGrit™ is also a non-pollutant to the environment.

Blast cleaning production rates using EnviroGrit™ 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 EnviroGrit™ Garnet being the most cost effective abrasive available for the blasting project.

EnviroGrit™ 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 EnviroGrit™, and abrasive embedment into the surface is minimal.

Containing minimal ferrous particles EnviroGrit™ can be utilised to blast corrosion resistant steels and non-ferrous products without the risk of ferrous contamination to the surface.

EnviroGrit™ is also utilised as a cutting media in water jet cutting and as a filtration media.

Garnet	ISO 11126-10



One Stop Local Supply Source
Global Products - Local Service
PanAbrasives

EnviroGrit™ Garnet

EnviroGrit™ Abrasive Properties:

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

Typical Chemical Composition:

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

EnviroGrit™ 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	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 available upon request.

EnviroGrit™ Packaging:

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

EnviroGrit™ Ordering Information:

Stock Code	AGG-GNXXX-YYY
Key	XXX - Code for Garnet Grade YYY - Packing Blank for 25kg Bags B1T for 1 mt Bulk Bag B2T for 2 mt Bulk Bag

