

# Technical Data Sheet

## Deccan Garnet



Note: Read and follow the Blastline Blast machine operations manual and provide proper training for all users of the device in order to achieve a safe and effective blasting operation.



### Description

Garnet is a natural mineral abrasive which is irregularly shaped with polished edges, it contains no heavy materials and has a low level of free silica. Because garnet is very heavy and hard for a mineral abrasive it accomplishes a fast cleaning or cutting rate. Our garnet is the abrasive of choice for water jet cutting and blasting applications.

### Advantages

- Fast cleaning and cutting.
- Relatively low dust generation as compared to copper or coal slag.
- Environmental friendly and re-usability.

### Chemical composition

Almandine Garnet $\text{Fe}_3\text{Al}_2(\text{SiO}_4)_3$	80-85%
Ilmenite $\text{FeTiO}_3$	15-20%

### Physical properties

Grain Shape	Angular
Colour	Red / Pink
Hardness	7.8 - 8.00 Mohs
Bulk density	2.30 g/cm <sup>3</sup>
Specific Gravity	4.10 g/cm <sup>3</sup>
Chlorides	< 30 ppm
Conductivity	< 250 $\mu\text{S}/\text{cm}$ (test method ISO 11127)

### Size

Grade	Profile range ( $\mu\text{m}$ )	Size range ( $\mu\text{m}$ )
20/60	65-95	250-850
30/60	50-75	250-600
20/40	70-110	425-850