

# AIRBLAST ABRASIVES

Garnet



## Product and Applications

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. Some of the advantages of garnet are; fast cleaning and cutting, relatively low dust generation as compared to copper- or coal slag, environmental friendly and reusability.

## Chemical composition

Almandine Garnet	Fe <sub>3</sub> Al <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub>	80-85%
Ilmenite	FeTiO <sub>3</sub>	15-20%

**\*\* Full analysis on application**

## 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 µS/cm (test method ISO 11127)

## Size

Grade	Profile range (µm)	Size range (µm)
<b>Waterjet cutting</b>		
W80		150-425
W120		125-300
<b>Blasting</b>		
20/60	65-95	250-850
30/60	50-75	250-600
20/40	70-110	425-850

## Packaging

- 25kg pp bags in a big bag - (1.000kg)
- 1 ton in big bag
- 2 tons in big bag