



GUYSON SAFTIMETAL

for use with turbine wheel and dry compressed air systems

GENERAL

Guyson Saftimetal is a high quality, chilled hematite cast iron abrasive with excellent performance characteristics. Throughout its use the grit remains sharp edged and will produce a clean and bright surface finish. The product has a superior service life than standard chilled iron and with its slow breakdown rate, dust problems are minimal. It is also referred to as angular iron grit

Saftimetal would generally be used in wheel/turbine or pressure blast systems and is much harder than the equivalent Turbogrit steel abrasive

TYPICAL APPLICATIONS

General engineering, surface treatment and refurbishment applications. Saftimetal is ideal for the removal of corrosion, paint, weld scale etc and the preparation of surfaces prior to painting, bonding etc

Chemical Composition (typical)

Chilled Iron Grit

Carbon	:	3.12%
Silicon	:	1.57%
Manganese	:	0.56%
Copper	:	0.30%
Chrome	:	0.19%
Nickel	:	0.17%
Sulphur	:	0.12%
Phosphorous	:	0.11%

Various other elements at less than 0.05%

Physical Data

Shape	:	Angular
Colour	:	Silver/Black metallic
Apparent Density:		Not less than 7.6 g/cc
Hardness	:	62-64 HRC (740-800 VPN)

Sizes Available: Nominal Size Range (microns)

G07	:	108-420
G12	:	300-710
G17	:	420-850
G34	:	850-1200
G47	:	1200-1700

Pack Size : 25 kg bag

Saftimetal is a non-toxic and non-hazardous product. No special disposal precautions are required for the product once it has been used for blast finishing purposes. However, contamination from a specific application or process must also be considered prior to disposal

See Guyson MSDS reference 15 for all other details

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