Telephone: +27 (0) 8600 BLAST
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STEEL GRIT

TRADE NAME

STEEL GRIT

DESCRIPTION

Steel Angular Grit is produced by crushing specifically heat-treated shot pellets. Service characteristics depend upon hardness selection. GH Steel Grit: With maximum hardness, stays angular in the mix, does not shatter readily and has a fast, effective, etching action. Ideal for deep descaling and etched surface requirements. For use mainly with compressed air equipment.

FUNCTION

Ideal for aggressive cleaning applications. Typical applications include reparation of metal surfaces prior to subsequent coating, surface profiling, profiling prior to rubber bonding and lining, removal of sand from castings, descaling of bars and strips, etc. Industry users include blast/paint contractors, container manufacturers, ship builders, pipeline manufacturers, plant maintenance and steel fabricators.

TYPICAL CHEMICAL ANALYSIS (full analysis on application)

Iron (Fe)	>96%
Carbon (C)	0.8 – 1.2%
Silicon (Si)	0.3 – 1.2%
Manganese (Mn)	0.5 – 1.3%
Phosphorus (P)	<0.04%
Sulphur (S)	<0.04%

TECHNICAL DATA

Hardness	60 – 66 Rc // ≥ 700 HV
Specific weight	≥ 7.6 g/cm³
Bulk weight	4.164 kg/L
Particle shape	Angular
Storage	Dry, sheltered storage conditions
Packaging	25 kg polyprop bags, 1 ton pallet

SIEVING RANGE

CODE	SIZE RANGE (micron)	PROFILE RANGE (micron)	PERFORMANCE CHARACTERISTICS
GH12	1400 - 2000	198 - 280	The angular nature of steel grit produces an etched surface on metal for superior adhesion of paint, epoxy, enamel, rubber and other coatings. The product is non-friable and can therefore be recycled making it cost-effective in controlled environments, i.e. Blast Booths & Tanks. The product emits almost zero dust, improving visibility, reducing cleanup and running cost on dust extraction systems.
GH14	1180 - 1700	163 – 244	
GH16	1000 - 1400	140 - 209	
GH18	710 - 1180	100 – 175	
GH25	425 - 1000	75 – 137	
GH40	300 - 840	50 – 112	
GH50	180 - 600	33 - 79	
GH80	125 - 355	22 - 52	

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