



ABRASIVE

Winoa High Carbon Steel Grit

Long-lasting, reliable, reusable & recyclable metallic grit abrasives



Steel grit blasting abrasive, high carbon, cast, manufactured under strict quality controls and conditions, using a unique air quenching thermal process, which will deliver a long lasting media. With minimal chloride & salt concentration (the lowest on the market), you receive a blasting media with the highest impact value for your cleaning application. Used primarily in sandblasting for surface preparation prior to painting, it is also used for descaling and desanding applications.

Performance

- **Versatility Across Hardness Options:** Winoa's steel grit abrasive offers four distinct hardness ranges to suit different applications. From the soft GP range for turbine cleaning, to intermediate GB and GL ranges for angular profiles and faster cleaning speeds, and finally the very hard GH range for deep cleaning and strong mechanical anchoring – especially with compressed air shot blasting.
- **Consistent & Reliable Results:** Each product line is engineered with a narrow hardness range. This ensures stable, consistent, and reliable profile outcomes, giving your sandblasting process greater precision and repeatability.
- **Lowest Chloride & Salt Levels:** Manufactured using a unique process, Winoa's steel abrasives achieve chloride and salt levels below 50 $\mu\text{S}/\text{cm}$ – the lowest available on the market. This minimises the risk of surface contamination and extends the lifespan of coatings and paints.
- **Wide Range of Sizes Available:** A comprehensive selection of standard sizes including G14, G16, G18, G25, G40, G50, and G80. Larger sizes such as G12 and G10, as well as very fine sizes like G120, are available upon request to meet specialised requirements.

Features

- **100% Recyclable:** Opt for eco-friendly steel grit blasting abrasive, crafted from high carbon steel for long-lasting efficiency. Choose sustainability without compromising performance.
- **Air Quenched:** Experience lasting strength with air-quenched steel grit. Through a unique thermal process, the high carbon grit delivers optimal results for your cleaning needs.
- **Globally Available:** Worldwide accessibility, providing a consistent and dependable source for all your surface preparation needs across continents.



Major Industries & Applications

Steel structures, bridges

Railways

Pipe coating

Windmills

Metallurgy

Contractors

Chemical Analysis (WT%)

Carbon	0.8 - 1.2
Manganese	0.35 - < 1.0
Silicon	> 0.4
Sulfur	< 0.05
Phosphorus	< 0.05

Hardness (HRC)

Grit (P)	40 - 51
Grit (L)	54 - 61
Grit (H)	> 60

Microstructure

Fine and uniform (tempered) martensite

Density (g/cm³)

Grit	7.3 min.
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Available Sizes

25 kg × 40 bags on one standard pallet

Size Distribution

Product	Sieve (µm)												
	2800	2360	2000	1700	1400	1180	1000	710	425	300	180	125	75
G10	0		>80	>90									
G12		0		>80	>90								
G14			0		>80	>90							
G16				0		>75	>85						
G18					0		>75	>85					
G25						0		>70	>80				
G40							0		>70	>80			
G50								0		>65	>75		
G80									0		>65	>75	
G120										0		>60	>70
ASTM Sieve No.	7	8	10	12	14	16	18	25	40	50	80	120	200