



**ERVIN
AMASTEEL**

The world
standard for
quality

FERROBLAST is an innovative and unique product, specifically designed to work as an **"Out of the bag" solution for compressed air blasting operations**. This is the hardest steel grit available; it remains sharp and angular in use, while being highly resistant to fracture.

FERROBLAST is designed not only to improve blast room operations using single size steel grit, but also as a direct replacement for chilled Iron and expendable abrasives.

FERROBLAST is selected from **superior cast abrasives, superior by a clear margin, which is the Ervin commitment:**

- Meticulous raw material selection and finely tuned chemistry. **Quality begins with quality ingredients.**

- **Dedicated heat treatment by product type.** This unique Ervin technology ensures fineness and consistency of the microstructure. It also allows consistency in hardness, narrowing the hardness range.
- Precise grading for consistent particle distribution, FERROBLAST particles meet or exceed SAE J 1993 specifications.

FERROBLAST benefits your process with: **longer life, efficient cleaning, improved coverage and a cleaner blast room environment.**

There are 4 variations in the FERROBLAST range, ensuring that there is a FERROBLAST tailored for your demanding blasting operation.

FERROBLAST

FERROBLAST is **the most suitable tool for improving cost effectiveness of open-air blast operations.**

FERROBLAST contributes to your competitiveness by keeping costs under control: **better yield and fast cleaning.** It provides the lowest ratio of steel abrasives to area covered.

FERROBLAST is ready to use, **the grit mix combines the high energy of larger particles with the coverage of smaller ones, giving the size balance required. This combination is consistent,** by the bag, the tonne or the truck : the same distribution every time gives results you can rely upon, securing the most effective and efficient impact cleaning.

FERROBLAST is a stable abrasive mix, guaranteed by the Ervin production process and quality assurance system, whereas most iron grit suffers from serious quality variations. It represents a technological progress in blasting, **from an environmentally safer and cleaner manufacturing process: no cupola!**

FERROBLAST helps you to meet your **customer's specifications**, improving your quality by the consistency of all its parameters and **enabling regular roughness profiles.**

FERROBLAST is the key to unlocking your blast room's potential.

BENEFITS:

- **Environmentally friendly**, from manufacturing process to blasting and recycling.
- **Economically sound** FERROBLAST provides a 30% better life, compared with chilled iron grit.

FERROBLAST provides a 20%-30% faster cleaning, compared with regular steel abrasives.
- **Technically effective**, to enhance your airblast operation by achieving the required roughness profiles quickly and consistently.
- **Quality supportive**, securing a consistent finish.

MICROSTRUCTURE	
Fine and uniform tempered martensite	
DENSITY	
Grit	7,3 Min
HARDNESS	
60 HRC / 700 HV minimum	
CHEMICAL ANALYSIS	
Carbon	0,80% - 1,2%
Manganese.....	0,60% - 1,2%
Silicon	0,4% Min
Sulphur.....	0,05% Max
Phosphorus	0,05% Max
PACKAGING	
1 Tonne Bulk Bag	
1 Tonne Pallet, 25 kg Paper Bags X 40	

Fine and uniform tempered martensite x100



Ervin's water-quenching technology allows the highest consistent temperature gap between the furnace and the quenching process: this provides particles with a metallurgical structure which combines the iron and carbon atoms of the steel in the finest and most regular way achievable. This metallurgical structure, **fine and homogeneous tempered martensite**, provides the highest resilience possible, throughout the particles, enabling them to last a longer time in blasting situations, while transmitting high energy.

FERROBLAST 1	Speedy cleaning, light contaminant removal
FERROBLAST 2	Speedy cleaning, medium contaminant removal
FERROBLAST 3	Medium contaminant removal
FERROBLAST 4	Heavy contaminant removal

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