



AMAMIX

**ERVIN
AMASTEEL**

The world
standard for
quality

Amamix is a combination of Ervin steel shot and grit, defined and designed for specific blasting requirements, and supplied as a single product. Shot and grit particles of various sizes are **blended in precise proportions in order to achieve given industrial objectives of productivity, cost and performance.**

Amamix is selected from **superior cast steel abrasives, superior by a clear margin, this 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 tempered martensitic microstructure. It also allows consistency in hardness, narrowing the hardness range.

- **Precise grading and blending to applications requirements.** This guarantees an ideal particle size distribution and reduces variables in the blasting operation.

Amamix particles meet or exceed SAE J 1993 and SAE J 827 specifications.

Amamix provides longer life and enhanced transmitted kinetic energy ; this translates directly into improved efficiency, productivity and economy.

There are over 20 different mixes in the Amamix range, ensuring that there is an Amamix tailored specifically for your demanding blasting operation.

AMAMIX

In any given blasting equipment, **Amamix provides a delicate balance of speed, yield, cost and wear parts consumption**.

Amamix enhances the productivity of your assets by speeding up the blasting process, without machine modification, treating more parts in a shorter period of time.

Amamix upgrades your quality with its unique operating mix, featuring a larger range of particles than standard grades. It provides a customized treatment of your products: larger particles removing heavy contaminants, smaller ones ensuring complete coverage and angular particles to complete a clean, bright and homogenous finish.

Amamix lowers your costs: longer life and higher transmitted energy translate into the lowest ratio of steel abrasives used per tonne of casting or per m² of flat or structural products, in the industry.

Amamix benefits from Ervin's advanced and continuously developing technology to keep in line with advanced levels of equipment sophistication. Amamix can in particular be recommended to reduce wear parts consumption.

Amamix is superior in both manufacture and utilisation to any other steel abrasive media currently available and is the preferred choice of major foundries and steel plants worldwide.

BENEFITS:

- **Environmentally friendly**, from manufacturing process to blasting and recycling.
- **Economically sound**, providing the lowest operating cost-to-finish ratio due to the stability of its microstructure and consistency of hardness and grade.
- **Technically effective**, developed for the latest generation of blasting machines.
- **Quality supportive**, providing the most consistent impact finish in heavy duty blasting operations.

MICROSTRUCTURE

Fine and uniform tempered martensite

DENSITY

Shot.....7,0 Min

Grit.....7,3 Min

HARDNESS

Shot and Grit.....40 – 51 HRC / 390 – 530 HV

CHEMICAL ANALYSIS

Carbon0,80% - 1,2%

Manganese S-70 / S-1100,35 – 1,2%

S-1700,50 – 1,2%

S-230 and up, all grit0,60 – 1,2%

Silicon0,4% Min

Sulphur.....0,05% Max

Phosphorus0,05% 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**, gives the shot the highest resilience possible, throughout the particles, enabling them to last a longer time in blasting situations, while transmitting high energy.

TYPICAL AMAMIX USED

AMAMIX 2	Foundry, desanding, heavy contaminant removal
AMAMIX 3	Foundry, desanding, medium contaminant removal
AMAMIX 4+	Foundry & Forge, scale removal
AMAMIX 7	Steel fabrication
AMAMIX 11	Structural steel

For other types, please ask your Ervin representative or distributor.

The grading of Shot and Grit components of AMAMIX meets SAE J 444 specifications.

ERVIN AMASTEEL

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