PREMIUM TURKISH NATURAL ABRASIVE MINERAL

NATURAL EMERY

Aluminium-oxide-rich natural emery of high hardness. Supplied packed, from the quarry direct to the end buyer.



Emery is among the hardest natural minerals, ranking just after diamond. It is used in abrasive stones, coated abrasives, millstones, ship and surface blasting, metal polishing and the hardening of industrial surfaces, and for its anti-slip character on stairs and similar areas.

6,000
tons per year emery processing capacity, in our new plant

65.28%
aluminium oxide (Al_2O_3) content

10–300
standard grit numbers, plus mixed fractions

CHEMICAL ANALYSIS

approx., %

Al_2O_3	65.28%
Fe_2O_3	25.60%
SiO_2	8.40%
CaO	1.20%
MgO	0.01%
Ignition loss	2.20%

GRIT SIZES

grit no.

10 · 12 · 14 · 16 · 18 · 20 · 24 · 30 · 36 · 46 · 60 · 80 · 100 · 120 · 140 · 160 · 180 · 220 · 240 · 280 · 300 · 000

MIXED FRACTIONS

3-5 mm · 1-3 mm · 0.5-2.5 mm · 0.5-2 mm

APPLICATIONS

WHERE HARDNESS GOES TO WORK

Grit size and composition are chosen to suit the application. The examples below are for evaluation; confirm suitability through technical documentation and trials.

01 Abrasive stones and millstones

Raw material for bonded abrasives, evaluated together with the grit, the bond and the grinding conditions.

02 Coated abrasives, cloth and paper

Mineral component of coated abrasives. Grit selection shapes the surface-preparation process.

03 Ship and surface blasting

Blasting abrasive. Grit size is chosen for the surface profile required.

04 Metal polishing and finishing

Fine fractions for polishing and finishing, selected against the substrate, process and target surface quality.

05 Anti-slip surfaces

Mineral aggregate for grip on stairs, floors and similar areas.

06 Industrial floor hardening

Can be evaluated as aggregate for surfaces that need abrasion resistance and in cement-based floor hardener systems.

FROM QUARRY TO PACK

QUALITY STARTS ON SITE

01 · QUARRY
Raw material is crushed and prepared for the next processing steps.

02 · PROCESSING
Sorted into grit numbers in our new plant, 6,000 t/year capacity.

03 · CONTROL
On-site internal inspections, material checks and laboratory evaluation.

04 · PACKING
Stored and prepared for shipment in bags or big bags.

QUOTE AND SAMPLES

BRING US YOUR APPLICATION.

Share the details below and we will discuss material, sample and supply options together.

- Application and substrate
- Grit size and sieve standard
- Estimated quantity and sample needs
- Delivery destination

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