



**ATLAS GROUP**  
Mining and Commercial

GENERAL CATALOG

**2022**

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## HISTORY

**Atlas Mining and Commercial Company** started its work in the early 2011, relying on technical knowledge and benefiting from specialized and experienced colleagues and consultants in the mining industry and trade affairs. The basis of the company's activity is the exploitation, processing and production and trade of mineral products and investment in this field, and with sufficient experience and knowledge of domestic and foreign market conditions and benefiting from infrastructure and financial capabilities in the Qatar, UAE, Turkey and Oman is active.

Focus on providing services and products in accordance with international standards and expanding business activities with the Middle East, the European Union and East Asia based on adherence to business commitments, flexible prices in line with market needs, a decade of experience in trading Metallic and Non-Metallic Minerals, Marble and Onyx Cubes, Ceramic Tiles and Stone Paper, interested in business development and creating sustainable employment for talented and specialized people, have created an opportunity to attract international and domestic investors as the Marketing department of Patak Mining Complex.

Having effective communication with international and domestic expert consultants, paying attention to the promotion of scientific and technical knowledge of the personnel has caused the convergence of Atlas Company to be in an optimal situation.

We strive to create a credible platform for sustainable business and cultural relationships with all our stakeholders.

## MISSION

By knowing the real capacity of the mine and providing land in Persian Gulf Mining and Metal Industries special Economic zone and in Manoojan Industrial Town, it has been placed in the working groups agenda that with a schedule and prioritization during the four-year period, it is necessary to design a stone processing factory, create a sales system for export blocks, create a crushing system to produce stone powder with standard granulation, and establishment of a factory for the production of marble artifacts as well as the construction of a calcium carbonate enrichment plant should be completed.



## SERVICES

1. Contract Manufacturing in the form of Tile and Slab
2. Ability to visit the mines and select the desired Cubes
3. Design and Architectural consulting
  - Design division is ready to propose interior & exterior design with stone materials based on different architectural styles in accordance with wide range of customers' needs.
  - As built survey team, by engaging the most advanced technology and device, prepare the precise cutting plans, according to the usage, installation point, deformities, arcs and etc.
  - Supervision team, have complete control over the preparation and installation of the stone material(s) during the project implementation period, to ensure the best possible result, regardless of the complexity of the project.
  - Technical division, based on as-built drawings, prepare the stone plates in accepted scales, cross checking dimensions, coding the cut parts based on installation plan(s). Subsequently, this process improves the quality of executive operations and reduces waste materials.
4. With the presence of an experienced financial and customs team, the possibility of delivery as FOB
5. Provide mineral analysis from reputable international and domestic laboratories like;
  - UNIL|UNIVERSITE DE LAUSANNE
  - KOREA TESTING RESEARCH INSTITUTE
  - GEO-CHEM MIDDLE EAST
  - ATLAS INSPECTION SERVICES LTD
  - BEAM GOSTAR TABAN
  - Razi Metallurgical Research Center
  - Zarazma mineral studies company



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## PATAK QUARRY

**Patak Marble Quarry** located in Asminon section, Manoojan city, south of Kerman province- Iran, distance to Shahid Rajaei port (One of the largest ports in Persian Gulf) is 160 km. distance to Manoojan industrial town is 10 km.

Patak Marble Quarry area is 2/34 square kilometers. According to studies, more than 100 million tons of Marble can be extracted and that's classified Patak mine as one of the largest mines in the country. More than 20 km road construction inside the quarry.

Monthly production capacity of at least 2,500 tons for each quarry zones. Five active quarry zones and one another zone under preparing for extraction Five-year plan to activate 10 quarry zones.





## Other information

Block warehouse in Manoojan industrial town with a capacity of 8,000 tons, 90 meters crane for loading blocks and mono wire machine for trimming blocks. 3 plots of land for construction of factories with a total area of approximately 70,000 square meters in Manoojan Industrial Town. Warehouse in industrial zone of the Persian Gulf Mining and Metal Industries at a distance of less than 10 km from Shahid Rajaei port with an area of 86,000 square meters.

**Patak Marble Blocks** has resistant texture without any deep cracks, specifications and dimensions are suitable for slab processing. In addition, block trimming is possible according to customers taste.

Atlas Company in cooperation with Reputable factories is producing **tiles** and **slabs** of this product with international markets standards in different dimensions and thicknesses. Manufacturing of products such as fireplace, flowerpot, washstand, banister etc. is also underway.

**Marble of Patak mine** is the result of **metamorphic** and **recrystallized limestone** and therefore has very **special physical and chemical properties** compared to similar rocks. Among the properties of this stone, we can mention the **%97 purity of calcium carbonate, Hardness, malleability and high susceptibility**, and its **very low water and oil absorption**. Experiments performed on this stone show the ability of this stone to withstand triaxial pressure of more than **1600 kg per square centimeter**. Existence of **high storage and health, variety of colors and designs, proximity to export terminals** and **desirable physical and chemical properties**, this stone is among the **first level** stones in the country for **export** to **European, American and Asian countries**.

## Chemical Specification:

Tehran Polytechnics (July 20th 2008)

Specification	Unit	
CaO	% $\omega$	55.68
MgO	% $\omega$	0.26
CO <sub>2</sub>	% $\omega$	43.82
H <sub>2</sub> O	% $\omega$	0.13

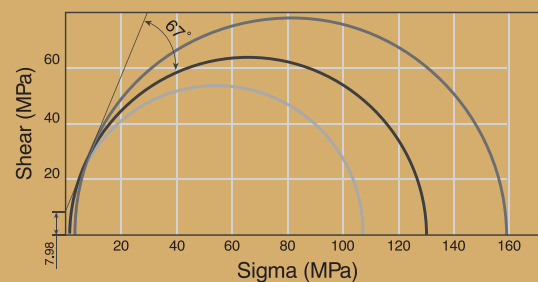
## Laboratory Analysis Summary

ASTM D 792	Unit	Marble
Specific Gravity	gr/cm <sup>3</sup>	2.765
Water Absorption	% $\omega$	0.053
Oil Absorption	% $\omega$	0.560

CaO	% $\omega$	55.6800
SrO	% $\omega$	0.0250
MgO	% $\omega$	0.2600
P <sub>2</sub> O <sub>5</sub>	% $\omega$	0.0036
CO <sub>2</sub>	% $\omega$	43.8200
H <sub>2</sub> O	% $\omega$	0.1300
MnO	% $\omega$	0.0340
La & Lu	% $\omega$	0.0170
Al <sub>2</sub> O <sub>3</sub>	% $\omega$	0.0000
K <sub>2</sub> O	% $\omega$	0.0000
Fe <sub>2</sub> O <sub>3</sub>	% $\omega$	0.0420

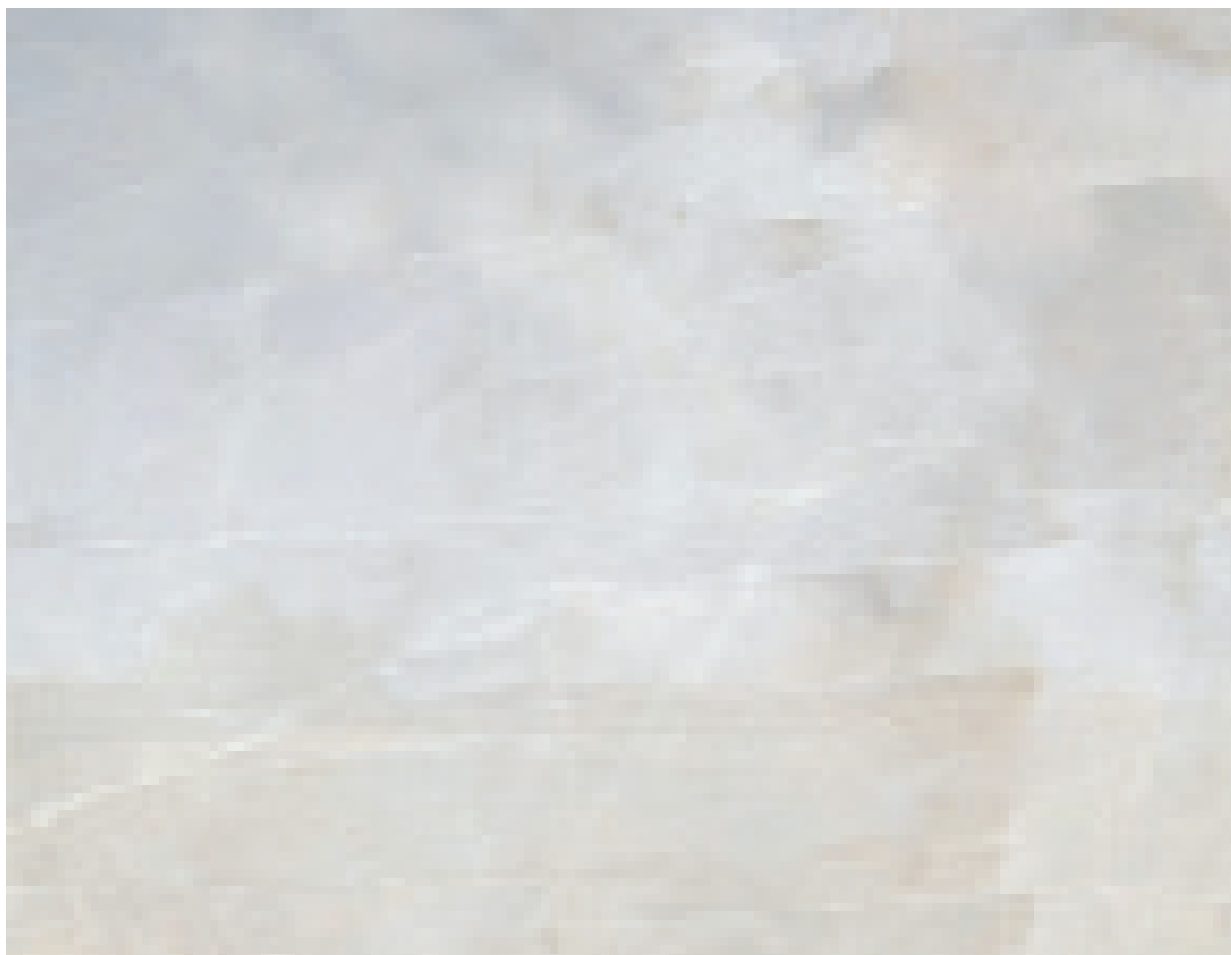
## Mechanical Specification:

Soil Mechanics Technical Laboratory  
Ministry of Road and Transportation









**white Angel**







## Aurora









**Fiona gray**









## Black Titanium





## Other Products

- **Recrystallized Marble lumps** use in Iron & steel industries and the other industries of micronized powder production, which is used in paper making, paint making, Excavation, agriculture (PH adjustment), refractory products, water treatment and wastewater industries, glass industry and suitable for preparing marble chips as well as for preparing pebbles. The particle size is mainly (about 79%) in the range of 30 to 60 mm.
- **Magnesite**
- **Huntite**
- **Manganese**






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