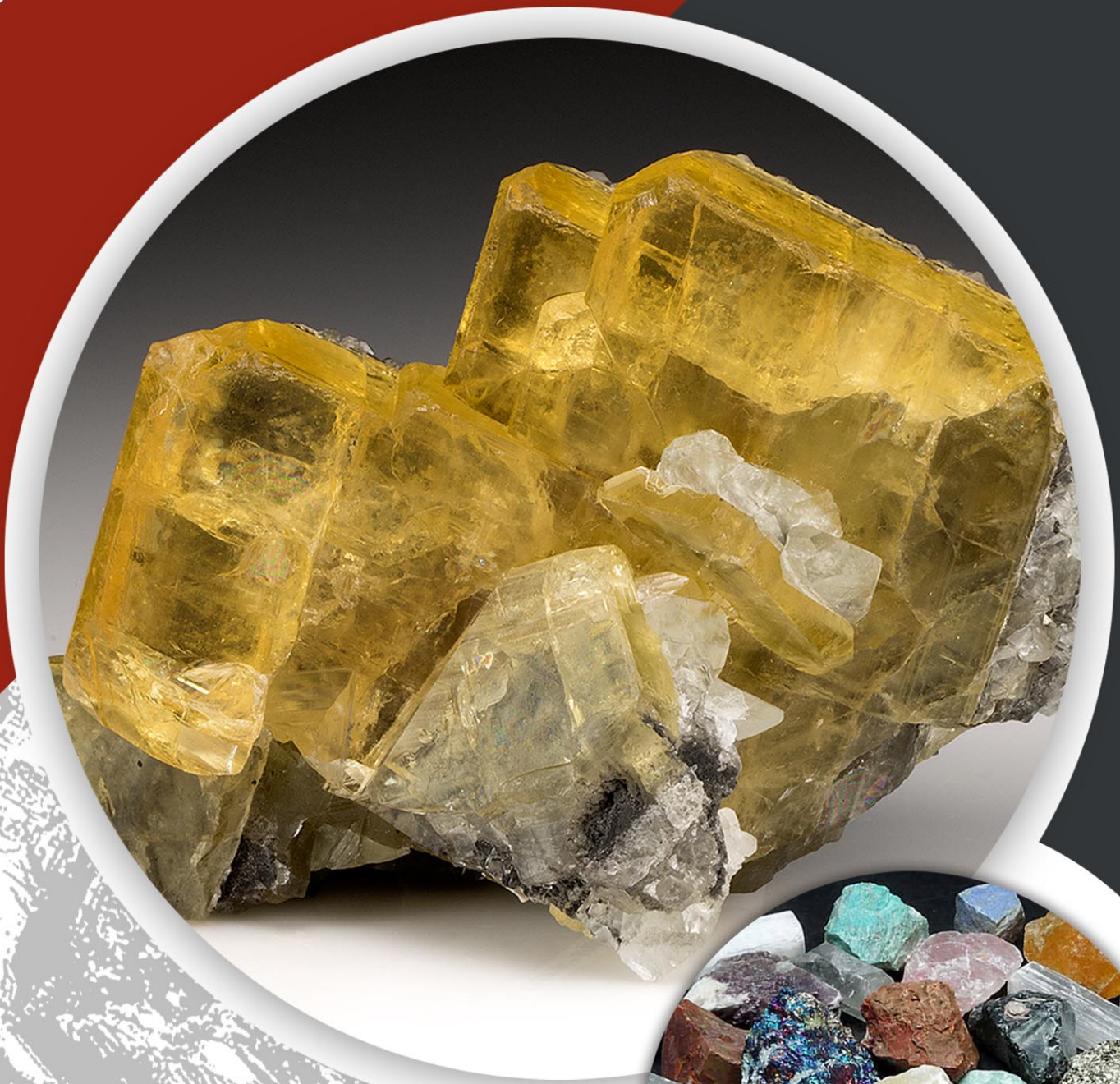

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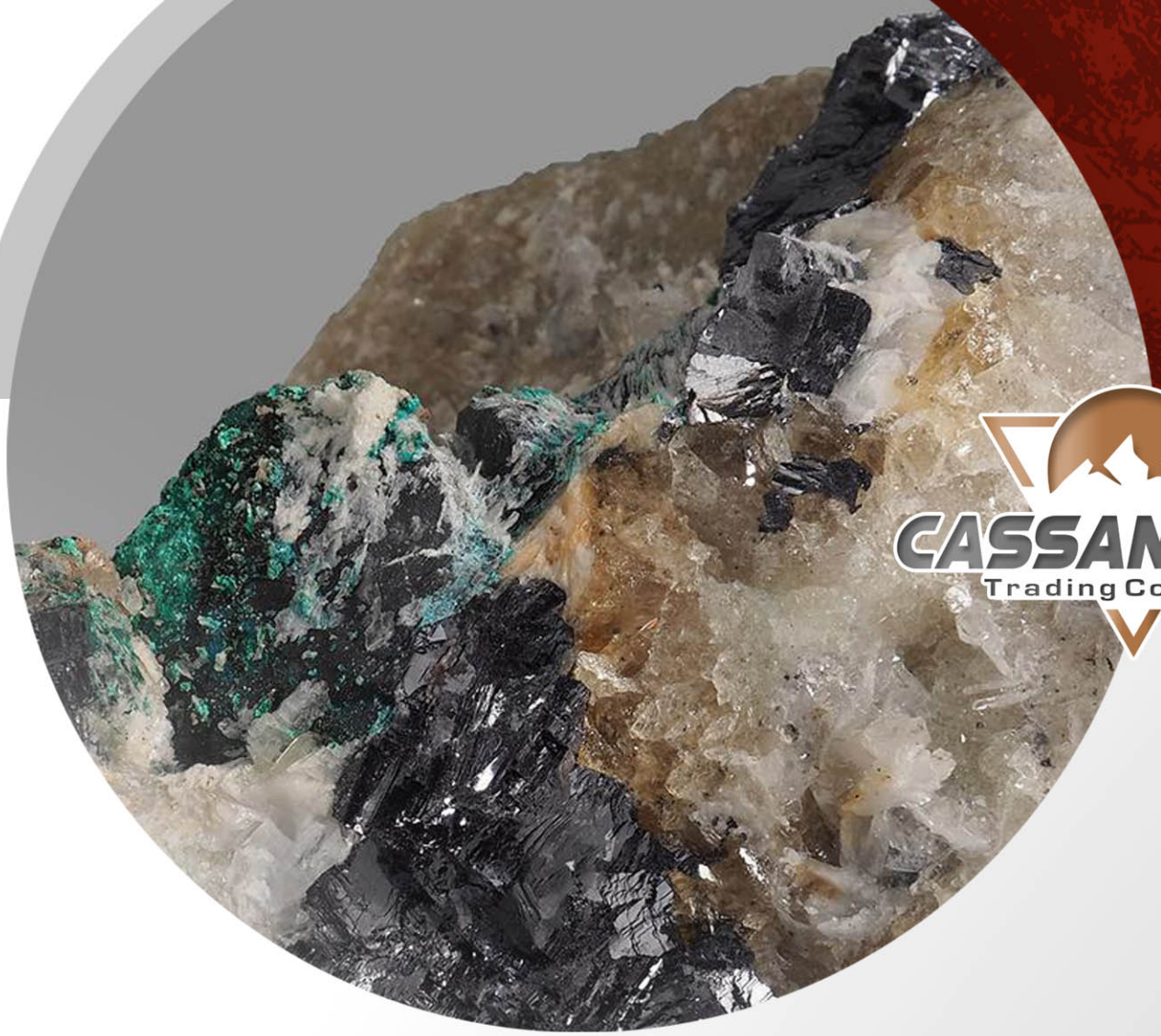

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Cassandane Trading Company

Cassandane Trading Company is one of the leading brands in the field of production and export of various minerals such as calcium carbonate, lime, barite, bentonite, so on and so forth. Benefitting from up-to-date and advanced production line equipment and machinery, along with specialized and committed personnel, Cassandane strives to produce high-quality and unique products supplied to the global markets. Moreover, this company has examined all its products in terms of quality in order to ensure this issue with the use of large and advanced laboratories in this field.

Calcium carbonate

Calcium carbonate is one of the most abundant sedimentary rocks forming the earth's crust. This product comes in different types such as limestone, plaster, marble and can be found in all parts of the world. The main source of the formation of this product is aquatic organisms such as corals, crustaceans, microorganisms and lacquered animals. This element is a very essential element in the formation of the skeleton of living organisms, the shell of birds' eggs, and the vital function of human and animal bodies. Calcium carbonate is one of the most widely used raw materials in the world and its new applications are constantly being developed. Moreover, this product is known by other names such as gypsum, limestone, calcite, aragonite, and marble, and it looks like a fluffy white powder. This product has many applications as follows:

- Production of personal care products
- Making oil
- Production of plastic and rubber
- Use in the construction industry and cement as a raw material
- Glass making
- Adjustment of soil ph
- Increasing the absorption of minerals in the soil
- And so on

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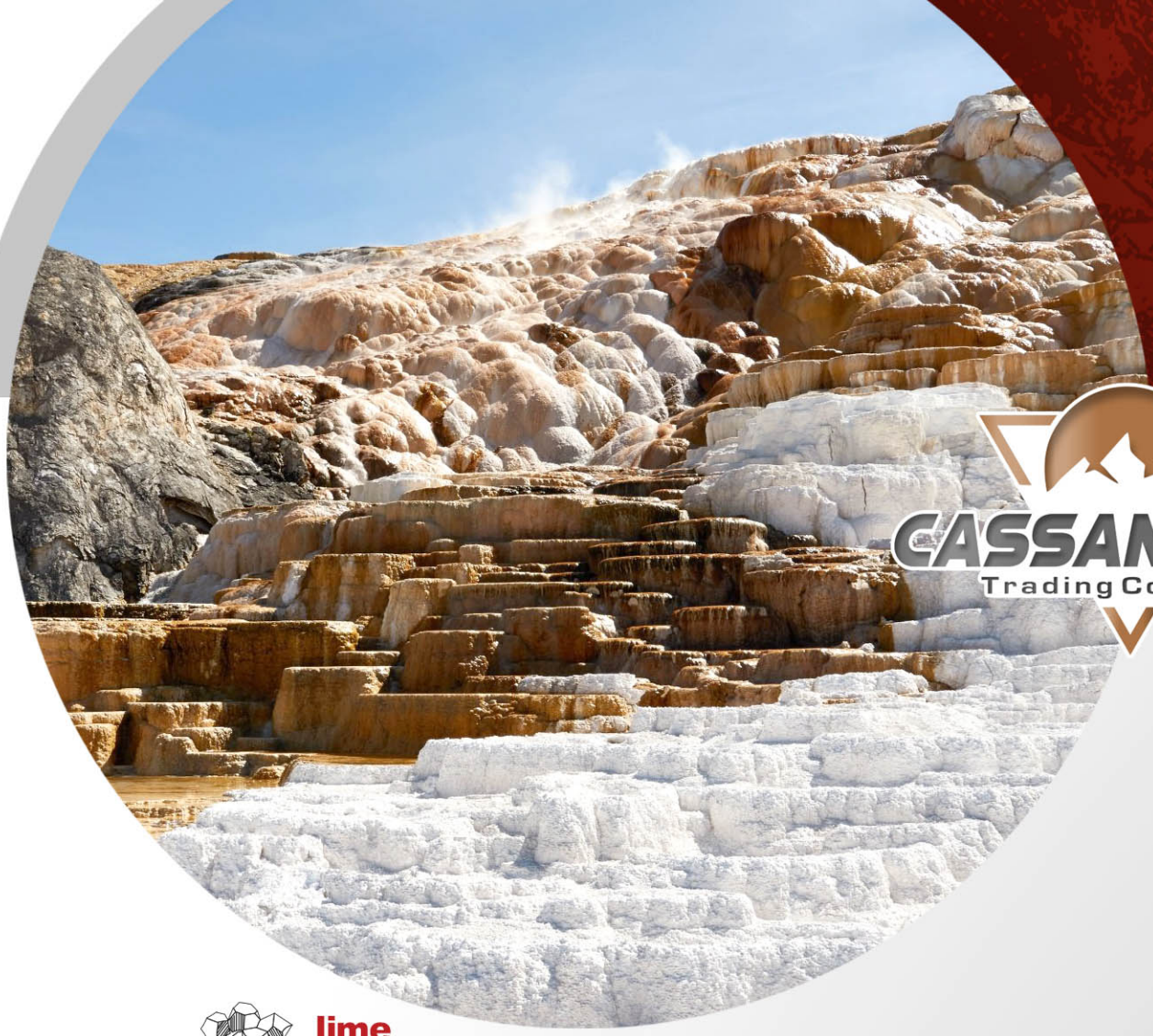

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lime

This product is one of the oldest known minerals dating back to the time of ancient Rome and ancient Egyptians. This product created the cement industry because the main ingredient of cement is lime. The main ingredient of lime is calcium oxide, which is a strong alkaline compound and can be combined with all acids. Due to the inherent properties of lime and strong alkalinity and its low price compared to the size of other alkalis, it has been widely used in various industries, as follows:

- Petrochemical industries
- Building materials industries such as cement, ceramic, mosaic, etc.
- Glass industry
- Purification of drinking and industrial water
- Purification of industrial and urban wastewater
- Bleachers
- Paint industry

Kaolin

Kaolin, or porcelain soil, is composed of mineral kaolinite or aluminum silicate and is formed when the aluminum silicate in feldspar ores such as granite changes due to weathering or hydrothermal processes. Moreover, kaolin has many physical and chemical properties. This product is applicable as combinations in the coating industry, helping to brighten, smooth out and gain shiny appearance. The initial use of this type of material is in the paper industry, and this compound acts as a paper coating and improves its printability.

Different types of Kaolin appearance

- White Kaolin
- Yellow Kaolin
- Red Kaolin
- Pink Kaolin

Kaolin Properties

- Flexibility
- Polished and High gloss
- Bleaching capability
- Softening capability
- Fillers and coatings

Kaolin Applications

- Production of different types of sunscreens and toothpastes
- Production of agricultural fertilizers
- Use in plastics, polyester, and P.V.C industries
- Rubber elastic booster
- As the main material of white color in the paint sector

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Ball Clay

Ball Clay or industrial clay is a type of granular sediment soil widely used due to its flexibility and fire resistance. Ball Clay can be divided into two categories:

- Clays which often contains a significant carbon percentage.
- Clays with little or no carbon percentage and with a significant percentage of quartz sand.

Ball Clay is composed of high variable compounds such as kaolinite, mica, quartz and is offered to the markets in the form of pellets.

Ball Clay Applications

- Sanitary ware production
- Ceramic tableware production
- Ceramic tiles production
- Fertilizers and insecticides production
- Horticulture, agriculture, and polymers
- And so on

Bentonite

Bentonite is a natural material composed of smectite clay. This type of product is produced by converting volcanic cinder to clay minerals in marine environments and is discovered as a layer among other ores. Bentonite is mainly composed of crystalline minerals and the smectite group containing iron, magnesium, sodium, or calcium.

Bentonite Applications

Therapeutic uses

- Skin and allergies
- Gastrointestinal toxins repulse
- Health care improvement
- Mineral Provider

Building Projects

- At the dam base
- Sealing pools
- Walls laying

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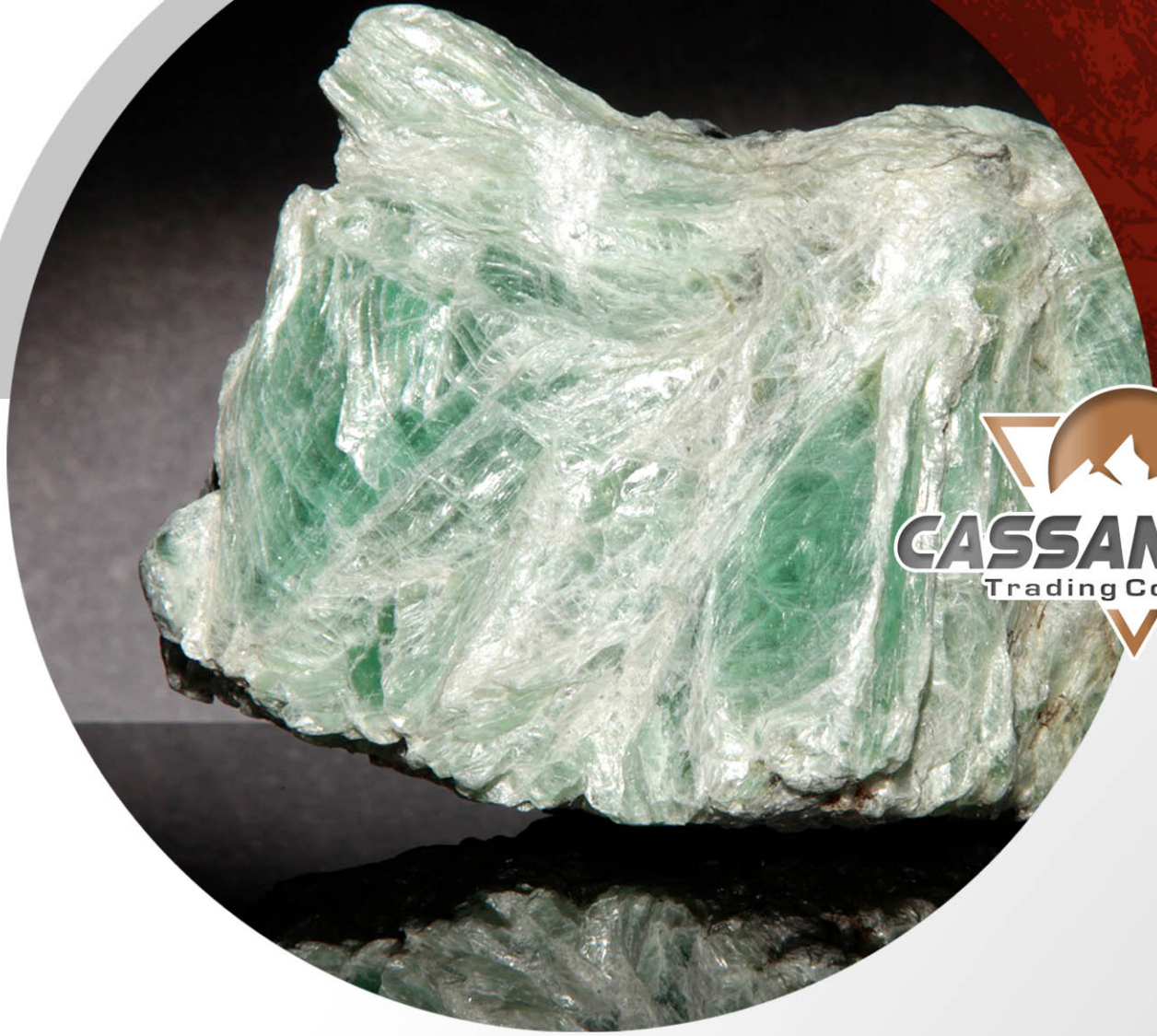

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Talc

Talc is a magnesium-enriched mineral made of silicate and divided into pure and impure ones. Pure talc is one of the rarest minerals in the nature and impure talc is recognized as an acid solvent due to its combination with manganese oxide, carbon, and iron. The highest amount of talc is in Schist and Serpentine stones.

Different types of Talc

- Mixed talc
- Graded talc

Talc Applications

- Painting industry
- Cosmetics industry
- Paper industry
- Rubber industry

Moreover, this type of product is a suitable absorber for oils, perfumes, and moisture.

Feldspar

Feldspar is a crystalline mineral composed of aluminum, sodium, potassium, and calcium silicates found in igneous rocks. Due to weathering, feldspars leave white spots after releasing in desert areas. Furthermore, this type of product is used for the paints production, sealants, plastics, producing ceramic tile parts, and sanitary ware.

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Dolomite

The main compound of dolomite elements are magnesium oxide and lime, however other elements such as potassium and iron may also exist in its structure. Most of these products are found in cream-gray and gray-white colors. Dolomite is used in various industries such as glass, paint, ceramics, metal smelting, etc.

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Barite

Barite is a type of mineral consisting of celestine, anglesite and anhydride. This type of material is used in various industries found in sands and pebbles and sometimes in the form of crystals. The oil and gas industry are the main consumers of this compound globally, which has led to rise in the barite prices. As the applications of this product, we can mention its use in the rubber producing, drilling mud, painting, glassmaking, cosmetics production industries.

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