

# Global Industrial Clay Market Outlook to 2027

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## Abstracts

Industrial Clay is a soil-like material made primarily of fine particles of hydrous aluminum silicates and other minerals pliable when moist and hard when fired. According to BlueQuark Research & Consulting, the global Industrial Clay market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Industrial Clay in the Ceramic industry, as they help in the molding and drying capabilities of the manufactured wares, are expected to drive the global market. Further, Industrial Clay is used as a solid acidic catalyst which can function as both Bronsted and Lewis acids in their natural and ion-exchange form are projected to drive the global market. Furthermore, in the cement industry, clay minerals, together with burned shale and limestone or marl, are essential raw materials expected to drive market growth. However, the clay industry's environmental impact has become a significant source of concern. Among them, the practical results are the extraction of clay raw materials from the earth, the digging of massive pits in the earth's surface, biodiversity loss, soil erosion, ecosystem disruption, sinkhole development, changing water quality, and land use are expected to hinder the global market growth.

Industrial Clay is used in the ceramic industry for manufacturing kiln furniture, sanitaryware, pottery, and dinnerware. It is used as a sorbent for nonionic, anionic, and cationic dyes and used as a catalyst in organic synthesis. It is used in the cement industry and refractories. It is used in rubber compounds to improve the tensile and modulus. It is used in paint as it has a natural smell and is also used in the pharmaceutical industry.

The Ceramic Industry is the most vital consumer of Industrial Clay and is projected to drive the Global Market. Industrial clay is used to produce porcelain, with no-ceramic applications including papermaking and plastics production, making the Global Market for Industrial Claybound to rise. According to the U.S. Geological Survey, the production of clays in the United States was estimated to be 25 million tons valued at USD 1.6

billion in 2020, with about 125 companies operating clay and the shale mines in 39 states. Exports of clay and shale were estimated to have decreased by 15% in 2020 after decreasing slightly in 2019. The global Covid-19 pandemic production of all types of clays except fuller earth decreased in 2020. Industrial clay is mixed with other clays to increase workability and lower the firing temperature. When fired, it becomes very hard translucent, and its melted surface becomes very smooth shiny. In which glaze is not needed, the demand for the industry shoots, thus driving the Global Industrial Clay Industry. Therefore the mentioned use of Industrial Clay in the Ceramic Industry is expected to grow and drive the overall market in the future.

The North American region is expected to be the leader in the production and consumption of Industrial Clay, with most of the consumption in countries like the U.S. and Canada. Due to increasing urbanization, the need for ceramics is rising. Industrial clay is used in the ceramic industry due to its variable and unique physical and chemical properties and its ubiquitous occurrence and relatively inexpensive value, thus driving the market demand. The demand for Industrial clay catalysts is increasing, green chemistry that is ecologically friendly can be done at both the industrial and laboratory scales using clay catalysts, which is driving the need for Industrial Clay in the Global Market. In the cement industry, clay is a compact, impermeable sedentary rock that becomes plastic, malleable with high content of mica and quartz required to make cement is expected to drive the demand for Industrial Clay in the market. Fire clays are moldable refractories commonly used for furnace linings or as a binding ingredient in the production of bricks. Rubber compounds with stiff kaolin clays with smaller particle sizes have a high modulus, tensile strength, stiffness, and abrasion resistance, driving the global Industrial Clay market. Industrial clay paints are non-toxic and free from volatile organic compounds, suitable for asthma patients and people with respiratory problems, pushing the global market. Clay minerals are widely used in the pharmaceutical industry as lubricants, desiccants, disintegrants, diluents, binders, pigments, and opacifiers, driving the Industrial Clay market. The mentioned factors have made the Asia-Pacific an essential region for growth in the Industrial Clay Market.

Some of the market's key players are BASF SE, Kaolin AD, LB Minerals Ltd, Thiele Kaolin Company, Imerys S.A., among others.

In November 2021, Oil-Dri Corporation of America announced that beginning January 1, 2022, it would raise the prices of industrial clay and synthetic absorbents. The price increase will range from 7% to 10% depending on the goods.

In October 2021, WASP research resulted in the development of the DELTA 40100

clay, a new machine for printing industrial clay that can extrude and make the material infinitely reusable.

Global Industrial Clay Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Industrial Clay market by segmenting based on the By Deposit (Primary, Secondary, Others), By Raw Materials (Kaolin, Bentonite, Palygorskite, Sepiolite, Others), By Type (China Clay, Bentonite Clay, Ball Clay, Fire Clay, Fullers Earth, Others), By Application (Ceramics, Catalyst, Cement, Refractories, Rubber, Paints, Pharmaceutical, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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AF SE

in AD

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le Kaolin Company

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d Hickory Clay Company

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W Mineral Resources

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jarat Mineral Development Corporation Limited

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