

Global Bauxite Market Outlook to 2027

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Abstracts

Bauxite is a white, red, yellow, or brown amorphous claylike sedimentary rock with an impure mixture of earthy hydrous aluminum oxide and hydroxides, the principal ore of Aluminum. According to BlueQuark Research & Consulting, the global Bauxite market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Bauxite in the Aluminum Industry, Bauxite is the primary source for alumina production, owing to its high alumina content, they are expected to drive the global market. Further, the use of Bauxite in the Refractories employed in the metallurgical, glassmaking, and ceramics industries is used to line the interiors of furnaces, kilns, and other materials that process materials at high temperature, are projected to drive the global market. Furthermore, the increasing usage of Bauxite in the Cement Industry for concretes and motors due to its rapid hardening and strengthening even at low temperatures is expected to drive market growth. However, due to stringent government rules, many bauxite mining is banned to curb growing pollution, and environmental concerns are expected to hinder the global market growth.

Bauxite is used in the aluminum industry for building & construction, foil & packaging, and due to its lightweight property, it is used to manufacture lightweight vehicle parts. It is used in manufacturing refractory products in metallurgical, glass making, and ceramic industries to line the interiors of furnaces, kilns, and other devices, and in cement for concretes and motors. It is also used to manufacture abrasives such as sandpaper, sand strips, etc.

The Aluminum Industry is the most vital consumer of Bauxite and is projected to drive the Global Market. Aluminum is used in various applications in energy, infrastructure, and aerospace to automotive, packaging, and more owing to its superior properties like high strength and high ductility, the Global Market for Bauxite is bound to rise. Aluminum is used for the production of metallic paints and spark plug insulators, and fuel components for solid rocket boosters due to its excellent resistivity. According to

UACJ Group, raised its annual production capacity to 320, 000 tons in the green field of the flat-rolled aluminum industry to meet the strong demand for aluminum in worldwide. Aluminum is also used in the fabrications of electron transistors and quantum interference devices due to its high thermal conductivity in nature demand for the industry shoots, thus driving the Global Bauxite Industry. Therefore the use of Bauxite in the Aluminum industry is expected to grow and drive the overall market in the future.

The Asia-Pacific region is expected to be the leader in the production and consumption of Bauxite, with most of the consumption in countries like China and India. Owing to rapid industrialization and an increase in the use of aluminum in various applications like building & construction, packaging, and also used in various parts of automobiles, aerospace, machinery, etc., replacing metals due to their lightweight property is driving the demand for Bauxite in the Global market. Further, the use of Bauxites in the Refractory in steel making furnaces, bricks to align electric arc, furnaces, and stoves, it possesses superior physical wear resistance and also resistant to thermal shock, the demand for Bauxite is increasing in the Global Market. Due to the rapid increase in urbanization, there is an increase in cement production for building and constructing an anti-skid road aggregate which is used in selected areas to prevent accidents, which is expected to drive the demand for Bauxite in the market. Some calcinated bauxite is used directly as an inexpensive abrasive product, which is expected to drive the demand for Bauxite in the Global Market. The mentioned factors have made the Asia-Pacific an essential region for growth in the Bauxite Market.

Some of the market's key players are Rio Tinto Group, Alumina Limited, Alcoa Corporation, National Aluminum Company Limited, Australian Bauxite Limited, Gujarat Mineral Development Corporation Ltd, among others.

In October 2021, Coal India Limited's greenfield aluminum project in Odisha includes bauxite mining and will have an alumina refinery, aluminum smelter, and captive power plant.

In June 2021, the scope of commercial utilization of India's vast Bauxite deposits deserves special attention for the growth of the aluminum sector that will aid India in becoming USD 5 trillion in the economy.

Global Bauxite Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Bauxite market by segmenting based on the By Grade (Chemical Grade, Abrasive

Grade, Refractory Grade, Metallurgical Grade, Others), End-Use Industries (Alumina Production, Refractory, Cement, Abrasive, 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.

Contents

1. Executive Summary

2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
 - 3.2.1 Drivers
 - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Regulatory Policies
- 3.7 Analysis of Covid-19 Impact

4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Competition in the Industry
 - 4.2.2 Potential of New Entrants into the Industry
 - 4.2.3 Bargaining Power of Suppliers
 - 4.2.4 Bargaining Power of Consumers
 - 4.2.5 Threat of substitute products

5. Market Segmentation & Forecast

- 5.1 By Grade
 - 5.1.1 Chemical Grade
 - 5.1.2 Abrasive Grade
 - 5.1.3 Refractory Grade
 - 5.1.4 Metallurgical Grade
 - 5.1.5 Others

5.2 By End-User

- 5.2.1 Alumina Production
- 5.2.2 Refractory
- 5.2.3 Cement
- 5.2.4 Abrasive
- 5.2.5 Others

Regional Market Analysis

6.1 North America

- 6.1.1 United States
- 6.1.2 Canada
- 6.1.3 Mexico

6.2 Europe

- 6.2.1 Germany
- 6.2.2 United Kingdom
- 6.2.3 Italy
- 6.2.4 France
- 6.2.5 Spain
- 6.2.6 Rest of Europe

6.3 Asia-Pacific

- 6.3.1 China
- 6.3.2 India
- 6.3.3 Japan
- 6.3.4 South Korea
- 6.3.5 Rest of Asia-Pacific

6.4 South America

- 6.4.1 Brazil
- 6.4.2 Argentina
- 6.4.3 Rest of South America

6.5 Middle East & Africa

- 6.5.1 South Africa
- 6.5.2 Saudi Arabia
- 6.5.3 Rest of Middle East & Africa

Company Profiles

Tinto Group

ina Limited
a Corporation
onal Aluminum Company Limited
tralian Bauxite Limited
arat Mineral Development Corporation Ltd
o Mining Limited
sk Hydro ASA
minum Corporation Of China Limited
ited Company RUSAL Plc
aldalco Industries Limited
nian Aluminum Co.
mpagnie des Bauxites de Guinee
AB Minerals Limited
eensland Alumina Limited
netco N.V.
companies is not exhaustive

Competitive Landscape

of Notable Players in the Market
A, JV, and Agreements
ket Share Analysis
ategies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

Global Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

North America Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

United States Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Canada Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Mexico Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Europe Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Other Supporting Charts

United Kingdom Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Germany Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Italy Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

France Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Russia Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of Europe Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

South America Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Brazil Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Argentina Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Rest of South America Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

Asia-Pacific Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton), 2017-2027

China Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

India Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Japan Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

South Korea Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo
ton), 2017-2027

ASEAN Countries Bauxite Market Size, Market Growth & Market Forecast Volume(in
Kilo ton), 2017-2027

Rest of Asia-Pacific Bauxite Market Size, Market Growth & Market Forecast Volume(in
Kilo ton), 2017-2027

Middle East & Africa Bauxite Market Size, Market Growth & Market Forecast Volume(in
Kilo ton), 2017-2027

Saudi Arabia Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo
ton), 2017-2027

South Africa Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo
ton), 2017-2027

Rest of Middle-East & Africa Bauxite Market Size, Market Growth & Market Forecast
Volume(in Kilo ton), 2017-2027

Alumina Production - Bauxite Market Size, Market Growth & Market Forecast Volume(in
Kilo ton), 2017-2027

Refractory - Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Cement - Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Abrasive - Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Others - Bauxite Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

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