

Global Lime Market Outlook to 2027

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Abstracts

Lime, also called burnt lime, quicklime, or caustic lime, is grayish-white, odorless, lumpy, very slightly water-soluble, highly infusible solid consisting of calcium oxide often together with magnesium oxide that is obtained by calcining forms of calcium carbonate. According to BlueQuark Research & Consulting, the global Lime market is expected to witness a significant growth rate during the forecasted period. Factors like increasing the use of Lime in the steel industry, Lime removing impurities such as silica, phosphorous, and sulfur from the steel being manufactured are expected to drive the global Lime Market. Further, in agriculture, Lime is primarily used to raise the pH of soils acid and lower the amount of aluminum in the soil solution is projected to drive the Global Lime Market. Furthermore, Lime softening is a water treatment method that softens water by eliminating calcium and magnesium ions using calcium hydroxide, or limewater is expected to drive the Global Lime Market. However, Lime is made mainly from limestone heated to convert calcium carbonate to calcium oxide and carbon dioxide. The CO₂ produced during the manufacturing process is one of the greenhouse gases that has resulted in a slew of disasters, and global warming is expected to hinder the future market growth of Lime.

Lime is used in the steel industry for building bridges, skyscrapers, railroads, automobiles, and many other appliances. It is used in agriculture to improve soil quality and soil acidity. Lime is used for water treatment and in the construction materials industry for manufacturing cement, lightweight bricks, autoclaved aerated concrete, and other construction materials. It is also used in mining and industrial applications such as fertilizer, paper and pulp, and sugar refining. Lime is an ingredient in the production process in the glass industry.

The steel industry is Lime's most primary and vital consumer and is estimated to drive the global demand for Lime. The steel industry would be impossible without the usage of lime, which is present throughout the entire steel-making process. Finely crushed or

granular Lime is combined with finely ground lime in the blast furnace to transform ore into pig iron. The pig iron is converted into steel. According to U.S. Geological Survey, in 2020, an estimated 16 million tons of quicklime and hydrate was produced, valued at about USD 2.2 billion. Domestic lime production was estimated to have decreased by 5% from 2019. Lime is used as a fluxing agent in electric arc furnaces and basic oxygen furnaces, driving the demand for Lime in the market. The lime reacts with the impurities to generate slag, separated from the steel and discarded. This process improves the quality of steel, which is projected to drive the demand for the Lime market. Thus, the above factors have made the steel industry a vital segment of growth for the Global market of Lime.

The Asia Pacific region is on its way to becoming the global leader in the production and consumption of Lime, with most of the consumption in populated countries like China and India. The steel demand is increasing as the consumer's needs are growing, Lime is used to remove minerals or impurities during the process of metal smelting, and the production of high-quality steel that uses a furnace is expected to drive the global Lime market. The demand for food is increasing due to the increasing population, in the agricultural industry, Lime is used to neutralize the acidity of shrimp farms and is added to increase calcium in animal feeds, thus adding to the Lime market demand. In water treatment, Lime is used in aiding the flocculation of tiny particles of sediments and eliminate or lessen harder water to produce clear water, increasing the demand for Lime. Due to increasing urbanization, Lime is used as an ingredient to improve the qualification of plaster and adjusts soil condition before construction work, driving the demand for the Global Lime Industry. In the ferrous and non-ferrous metal mining industry, Lime adjusts the acidity of wastewater and is used as a chemical in the mineral dressing process, thus driving the Global Lime Industry. Lime is used to separate chemicals in the recovery process of pulp making and mineral dressing for paper production, driving the global Lime market. Lime is used to remove impurities in raw sugar and white sugar in the sugar industry. In the glass industry, Lime helps remove minerals and contaminants in glass, bottles, and mirrors, driving the demand for Lime in the market. Therefore, mentioned factors have made the Asia Pacific region a vital area for the development of Lime.

Some of the market's key players are Adelaide Brighton Cement, Lhoist Group, Carmeuse Group, Boral Limited, Graymont Limited, among others.

In October 2021, in Madhya Pradesh, Ultratech Ltd had emerged as the chosen bidder for a limestone block. In the current fiscal year, the Ramstahn Ghunchihai limestone mine, which has reserves of 209.77 tonnes, was auctioned.

Global LimeMarket report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Lime market by segmenting based on the By Type (Quick Lime, Slaked Lime, Fat Lime, Hydraulic Lime, Others), By Application (Steel, Agriculture, Water Treatment, Construction, Mining, Industrial, Glass, 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 Trade Analysis
- 3.7 Price Trend Analysis
- 3.8 Supply Analysis
- 3.9 Regulatory Policies
- 3.10 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 Type
 - 5.1.1 Quick Lime
 - 5.1.2 Slaked Lime

- 5.1.3 Fat Lime
- 5.1.4 Hydraulic Lime
- 5.1.5 Others
- 5.2 By Application
 - 5.2.1 Steel
 - 5.2.2 Agriculture
 - 5.2.3 Water Treatment
 - 5.2.4 Construction
 - 5.2.5 Mining
 - 5.2.6 Industrial
 - 5.2.7 Glass
 - 5.2.8 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

Blaine Brighton Cement
Cement Group
Cemex Group
Cemex Limited
Cemex Limited
Cemex Australia Ltd
Cemex Lime Company
Cemex S.A.B. de C.V.
Cemex Group Australia
Cemex United States Lime & Minerals, Inc
Cemex Australia Pty Limited
Cemex International Lime & Stone Co
Cemex Lime & Cement Co
Cemex Minerals Limited
Cemex Shandong Zhongxin Calcium Industry Co., Ltd
The list of companies is not exhaustive

Competitive Landscape

List of Notable Players in the Market
Mergers, Acquisitions, JV, and Agreements
Market Share Analysis
Strategies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

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

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

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

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

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

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

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

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

Other Supporting Charts

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

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

Spain Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Steel - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Agriculture - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Water Treatment - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo
ton), 2017-2027

Construction - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Mining - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Industrial - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

Glass - Lime Market Size, Market Growth & Market Forecast Volume(in Kilo ton),
2017-2027

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

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