

Refractories Market Report by Form (Shaped Refractories, Unshaped Refractories), Alkalinity (Acidic and Neutral, Basic), Manufacturing Process (Dry Press Process, Fused Cast, Hand Molded, Formed, Unformed), Composition (Clay-Based, Nonclay-Based), Refractory Mineral (Graphite, Magnesite, Chromite, Silica, High Alumina, Zirconia, and Others), Application (Iron and Steel, Cement, Non-Ferrous Metals, Glass, and Others), and Region 2024-2032

<https://marketpublishers.com/r/R77942CF08ABEN.html>

Date: March 2024

Pages: 123

Price: US\$ 3,899.00 (Single User License)

ID: R77942CF08ABEN

Abstracts

The global refractories market size reached US\$ 26.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 37.7 Billion by 2032, exhibiting a growth rate (CAGR) of 3.8% during 2024-2032. The industrial expansion, technological advancements, infrastructure development, energy efficiency, and the unique properties of refractory materials for withstanding high temperatures and harsh conditions are some of the major factors propelling the market.

Refractories are specialized materials designed to withstand extreme heat and harsh conditions, commonly used in industries such as steel, glass, cement, and petrochemicals. These materials possess high melting points and excellent thermal insulating properties, making them essential for lining furnaces, kilns, and reactors. Refractories provide crucial protection against the intense temperatures and chemical reactions that occur in these industrial processes. They come in various forms, such as bricks, castables, and ceramics, tailored to specific applications. Their resistance to

heat and corrosion ensures the longevity and efficiency of industrial equipment, contributing significantly to the reliability and safety of high-temperature operations.

The global refractories market is experiencing robust growth driven by the continuous expansion of the construction, infrastructure, and manufacturing sectors worldwide, generating substantial demand for refractory materials. These industries heavily rely on refractories to line and protect high-temperature equipment such as blast furnaces, cement kilns, and glass melting tanks. In addition to this, the increasing adoption of advanced and energy-efficient technologies in various industrial processes necessitates the use of high-performance refractories to withstand elevated temperatures and chemical corrosion, aiding in market expansion. Moreover, the rise in infrastructure development and urbanization, particularly in emerging economies, is boosting demand for refractories in construction and housing, as these materials are essential for maintaining the integrity of structures like chimneys and fireplaces. Furthermore, the growing emphasis on sustainable and eco-friendly manufacturing processes has prompted innovations in refractory materials that reduce energy consumption and emissions, further fueling market expansion.

Refractories Market Trends/Drivers:

Industrial expansion and modernization

The continuous expansion and modernization of various industries are significant drivers for the global refractories market. Industries such as steel, cement, glass, petrochemicals, and non-ferrous metals rely heavily on refractory materials. As these sectors grow and upgrade their facilities, there is a growing need for refractories to line and protect high-temperature equipment, such as blast furnaces, rotary kilns, and glass melt tanks. This demand is particularly evident in emerging economies where rapid industrialization and infrastructure development are ongoing. In developed nations, refurbishing and upgrading aging infrastructure also contribute to the sustained demand for refractories.

Technological advancements and energy efficiency

Another key driver is the increasing adoption of advanced and energy-efficient technologies in industrial processes. Manufacturers are continually seeking ways to improve energy efficiency, reduce emissions, and enhance overall operational sustainability. Refractories play a critical role in these efforts by withstanding extreme temperatures and chemical reactions. New, high-performance refractory materials are developed to withstand the rigors of modern industrial processes, contributing to

enhanced energy efficiency and reduced environmental impact. These innovations support industries' goals of meeting stringent environmental regulations and reducing their carbon footprint.

Infrastructure development and urbanization

The growth in infrastructure development and urbanization, particularly in emerging economies, is boosting demand for refractories in the construction and housing sectors. Refractory materials are essential for maintaining the integrity of structures like chimneys, fireplaces, and industrial incinerators. As more urban areas emerge and demand for durable, heat-resistant structures increases, the refractories market experiences steady growth. Additionally, the construction of residential and commercial buildings often requires refractory bricks and materials for fireproofing and insulation, further contributing to the market's expansion. This trend is closely linked to rising living standards and increased construction activities in developing regions.

Refractories Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global refractories market report, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on form, alkalinity, manufacturing process, composition, refractory mineral, and application.

Breakup by Form:

Shaped Refractories

Unshaped Refractories

Unshaped refractories dominate the market

The report has provided a detailed breakup and analysis of the market based on the form. This includes shaped refractories and unshaped refractories. According to the report, unshaped refractories represented the largest segment.

The demand for unshaped refractories is mainly driven by their versatility and adaptability in complex industrial applications. Unshaped refractories, which come in the form of castables, plastics, and ramming mixes, offer a unique advantage in that they can be molded and applied to irregular shapes and spaces, providing optimal insulation and protection in various industrial settings. As a result, industries seeking efficient solutions for furnace linings, boiler insulation, and ladle linings are increasingly turning

to unshaped refractories for their ability to conform to specific configurations, reducing installation time and labor costs while ensuring reliable thermal performance, creating a positive outlook for market growth.

Breakup by Alkalinity:

Acidic and Neutral
Basic

Acidic and neutral holds the largest share in the market

A detailed breakup and analysis of the market based on the alkalinity has also been provided in the report. This includes acidic and neutral and basic. According to the report, acidic and neutral accounted for the largest market share.

The surging demand for acidic and neutral refractories owing to their suitability for industries and processes that involve corrosive environments and acidic materials is contributing to the market's growth. These refractories excel in applications where resistance to acidic slags or gases is critical, such as in the production of non-ferrous metals, petrochemical refining, and waste incineration, which is aiding in market expansion. Apart from this, acidic refractories, such as silica bricks, and neutral refractories, such as chromite or alumina-silica materials, offer robust protection against chemical erosion and high-temperature corrosion, making them indispensable in these specialized industries, which require durability and reliability even in harsh conditions.

Breakup by Manufacturing Process:

Dry Press Process
Fused Cast
Hand Molded
Formed
Unformed

Fused cast dominates the market

The report has provided a detailed breakup and analysis of the market based on the manufacturing process. This includes dry press process, fused cast, hand molded, formed, and unformed. According to the report, fused cast represented the largest segment.

The demand for refractories produced through the fused cast manufacturing process is primarily driven by their exceptional resistance to extreme temperatures and chemical corrosion. Fused cast refractories are manufactured by melting high-purity raw materials, including alumina and zirconia, and then cooling them to form dense, crystalline structures. This unique production method results in refractory materials with outstanding thermal stability and minimal porosity, making them ideal for applications in glass manufacturing, particularly in the construction of glass furnace sidewalls and tank blocks. The fused cast refractories' ability to withstand the severe conditions of molten glass and other corrosive substances has led to their increased adoption in the glass industry, fueling demand for these specialized refractory products.

Breakup by Composition:

Clay-Based

Nonclay-Based

Clay-based holds the largest share of the market

A detailed breakup and analysis of the market based on the composition has also been provided in the report. This includes clay-based and nonclay-based. According to the report, clay-based accounted for the largest market share.

The cost-effectiveness and versatility of clay-based refractories across a range of industries is presenting lucrative opportunities for market growth. Clay-based refractories, such as fire clay bricks and high-alumina bricks, offer a cost-efficient solution for applications where extreme resistance to temperature and chemical attack isn't as critical. They find extensive use in less severe environments, including foundries, boiler linings, and cement kilns. Their relative affordability, ease of production, and adaptability to various shapes and sizes make them a preferred choice for industries that require reliable thermal insulation and moderate resistance to wear and tear, sustaining the demand for these refractory materials.

Breakup by Refractory Mineral:

Graphite

Magnesite

Chromite

Silica

High Alumina
Zirconia
Others

Graphite dominates the market

The report has provided a detailed breakup and analysis of the market based on the refractory mineral. This includes graphite, magnesite, chromite, silica, high alumina, zirconia, and others. According to the report, graphite represented the largest segment.

Graphite refractories' exceptional thermal conductivity and resistance to high temperatures, making them indispensable in specific industrial applications, are acting as significant growth-inducing factors. Graphite refractories, composed primarily of graphite and clay, excel in environments with extreme heat, such as in electric arc furnaces and steelmaking processes. Their ability to efficiently conduct heat, maintain stability at high temperatures, and resist chemical corrosion by molten metals positions them as a critical choice in the metallurgical and steel industries. Additionally, their low thermal expansion and high mechanical strength contribute to their longevity and reliability in demanding thermal processes, sustaining the demand for graphite refractories in these sectors.

Breakup by Application:

Iron and Steel
Cement
Non-Ferrous Metals
Glass
Others

Iron and steel holds the largest share of the market

A detailed breakup and analysis of the market based on the application has also been provided in the report. This includes iron and steel, cement, non-ferrous metals, glass, and others. According to the report, iron and steel accounted for the largest market share.

The iron and steel sector's relentless pursuit of efficiency and cost-effectiveness is providing impetus to the market growth. Refractories play a vital role in maintaining the integrity of high-temperature equipment including blast furnaces, converters, and ladles.

As the iron and steel industry continuously seeks to optimize production processes and reduce energy consumption, the need for advanced refractories becomes paramount. These materials enable higher productivity, prolonged equipment lifespan, and reduced downtime, translating into substantial cost savings. Apart from this, refractories that can withstand extreme temperatures and chemical interactions are essential for ensuring product quality and safety in this critical sector, underpinning the persistent demand for refractories in iron and steel production.

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Asia Pacific exhibits a clear dominance, accounting for the largest refractories market share

The market research report has also provided a comprehensive analysis of all the major

regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia Pacific accounted for the largest market share.

Asia Pacific has assumed a leading position in the global refractories market for several compelling reasons. The region's dominance can be attributed to its thriving steel, cement, and glass industries, which are among the primary consumers of refractory products. Rapid industrialization and urbanization in countries like China and India have driven substantial demand for steel and cement, boosting the need for refractories in their production processes. Additionally, Asia Pacific's vast manufacturing base and robust infrastructure development contribute significantly to refractory consumption. The region benefits from a competitive advantage in terms of cost-effective production and a skilled labor force, making it an attractive hub for refractory manufacturing. Furthermore, the presence of abundant raw materials and a proactive approach toward research and development in refractories have further solidified Asia Pacific's leadership in the global market.

Competitive Landscape:

The global refractories market is characterized by intense competition among several key players and a few regional manufacturers. Leading companies dominate the market with a wide range of high-quality refractory products catering to diverse industrial needs. These industry giants often engage in strategic mergers, acquisitions, and partnerships to expand their product portfolios and global reach. Additionally, they invest heavily in research and development to innovate and offer advanced refractory solutions, which is essential to meet the evolving demands of energy efficiency and environmental sustainability. Furthermore, regional manufacturers and smaller players play a significant role, especially in catering to niche markets and offering specialized refractory products. Market competition is further shaped by factors like price sensitivity, product quality, and technological advancements, driving companies to continually improve and differentiate their offerings.

The report has provided a comprehensive analysis of the competitive landscape in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Chosun Refractories Eng Co. Ltd.
Compagnie de Saint-Gobain S.A.

Coorstek Inc.
Imerys Usa Inc.
Krosaki Harima Corporation
Morgan Advanced Materials Plc
Refratechnik Holding GmbH
RHI Magnesita GmbH
Vesuvius Plc

Recent Developments:

In July 2023, Morgan Thermal Ceramics expanded its Yixing plant, increasing capacity by over 50% to serve the needs of customers in China and other parts of Asia for insulating firebricks used in various industries, emphasizing energy efficiency and CO2 emission reduction in refractory production.

In April 2023, RHI Magnesita completed the acquisition of the operations of seven refractory companies in the United States, India, and Europe. This acquisition has significantly expanded RHI Magnesita's market portfolio, offering a wide range of solutions for global end-use applications.

In February 2023, Chosun Refractories Co Ltd and Sarvesh Refractories announced a joint venture to manufacture refractory products for steel companies, automobile companies, and chemical companies in India.

Key Questions Answered in This Report

1. How big is the global refractories market?
2. What is the expected growth rate of the global refractories market during 2024-2032?
3. What are the key factors driving the global refractories market?
4. What has been the impact of COVID-19 on the global refractories market?
5. What is the breakup of the global refractories market based on the form?
6. What is the breakup of the global refractories market based on the alkalinity?
7. What is the breakup of the global refractories market based on the manufacturing process?
8. What is the breakup of the global refractories market based on the composition?
9. What is the breakup of the global refractories market based on the refractory mineral?
10. What is the breakup of the global refractories market based on the application?
11. What are the key regions in the global refractories market?
12. Who are the key players/companies in the global refractories market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL REFRACTORIES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY FORM

- 6.1 Shaped Refractories
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Unshaped Refractories
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY ALKALINITY

7.1 Acidic and Neutral

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Basic

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY MANUFACTURING PROCESS

8.1 Dry Press Process

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Fused Cast

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Hand Molded

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Formed

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Unformed

8.5.1 Market Trends

8.5.2 Market Forecast

9 MARKET BREAKUP BY COMPOSITION

9.1 Clay-Based

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Nonclay-Based

9.2.1 Market Trends

9.2.2 Market Forecast

10 MARKET BREAKUP BY REFRACTORY MINERAL

10.1 Graphite

- 10.1.1 Market Trends
- 10.1.2 Market Forecast
- 10.2 Magnesite
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast
- 10.3 Chromite
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast
- 10.4 Silica
 - 10.4.1 Market Trends
 - 10.4.2 Market Forecast
- 10.5 High Alumina
 - 10.5.1 Market Trends
 - 10.5.2 Market Forecast
- 10.6 Zirconia
 - 10.6.1 Market Trends
 - 10.6.2 Market Forecast
- 10.7 Others
 - 10.7.1 Market Trends
 - 10.7.2 Market Forecast

11 MARKET BREAKUP BY APPLICATION

- 11.1 Iron and Steel
 - 11.1.1 Market Trends
 - 11.1.2 Market Forecast
- 11.2 Cement
 - 11.2.1 Market Trends
 - 11.2.2 Market Forecast
- 11.3 Non-Ferrous Metals
 - 11.3.1 Market Trends
 - 11.3.2 Market Forecast
- 11.4 Glass
 - 11.4.1 Market Trends
 - 11.4.2 Market Forecast
- 11.5 Others
 - 11.5.1 Market Trends
 - 11.5.2 Market Forecast

12 MARKET BREAKUP BY REGION

12.1 North America

12.1.1 United States

12.1.1.1 Market Trends

12.1.1.2 Market Forecast

12.1.2 Canada

12.1.2.1 Market Trends

12.1.2.2 Market Forecast

12.2 Asia Pacific

12.2.1 China

12.2.1.1 Market Trends

12.2.1.2 Market Forecast

12.2.2 Japan

12.2.2.1 Market Trends

12.2.2.2 Market Forecast

12.2.3 India

12.2.3.1 Market Trends

12.2.3.2 Market Forecast

12.2.4 South Korea

12.2.4.1 Market Trends

12.2.4.2 Market Forecast

12.2.5 Australia

12.2.5.1 Market Trends

12.2.5.2 Market Forecast

12.2.6 Indonesia

12.2.6.1 Market Trends

12.2.6.2 Market Forecast

12.2.7 Others

12.2.7.1 Market Trends

12.2.7.2 Market Forecast

12.3 Europe

12.3.1 Germany

12.3.1.1 Market Trends

12.3.1.2 Market Forecast

12.3.2 France

12.3.2.1 Market Trends

12.3.2.2 Market Forecast

12.3.3 United Kingdom

- 12.3.3.1 Market Trends
- 12.3.3.2 Market Forecast
- 12.3.4 Italy
 - 12.3.4.1 Market Trends
 - 12.3.4.2 Market Forecast
- 12.3.5 Spain
 - 12.3.5.1 Market Trends
 - 12.3.5.2 Market Forecast
- 12.3.6 Russia
 - 12.3.6.1 Market Trends
 - 12.3.6.2 Market Forecast
- 12.3.7 Others
 - 12.3.7.1 Market Trends
 - 12.3.7.2 Market Forecast
- 12.4 Latin America
 - 12.4.1 Brazil
 - 12.4.1.1 Market Trends
 - 12.4.1.2 Market Forecast
 - 12.4.2 Mexico
 - 12.4.2.1 Market Trends
 - 12.4.2.2 Market Forecast
 - 12.4.3 Others
 - 12.4.3.1 Market Trends
 - 12.4.3.2 Market Forecast
- 12.5 Middle East and Africa
 - 12.5.1 Market Trends
 - 12.5.2 Market Breakup by Country
 - 12.5.3 Market Forecast

13 SWOT ANALYSIS

- 13.1 Overview
- 13.2 Strengths
- 13.3 Weaknesses
- 13.4 Opportunities
- 13.5 Threats

14 VALUE CHAIN ANALYSIS

15 PORTERS FIVE FORCES ANALYSIS

- 15.1 Overview
- 15.2 Bargaining Power of Buyers
- 15.3 Bargaining Power of Suppliers
- 15.4 Degree of Competition
- 15.5 Threat of New Entrants
- 15.6 Threat of Substitutes

16 PRICE INDICATORS

17 COMPETITIVE LANDSCAPE

- 17.1 Market Structure
- 17.2 Key Players
- 17.3 Profiles of Key Players
 - 17.3.1 Chosun Refractories Eng Co. Ltd.
 - 17.3.1.1 Company Overview
 - 17.3.1.2 Product Portfolio
 - 17.3.2 Compagnie de Saint-Gobain S.A.
 - 17.3.2.1 Company Overview
 - 17.3.2.2 Product Portfolio
 - 17.3.2.3 Financials
 - 17.3.2.4 SWOT Analysis
 - 17.3.3 Coorstek Inc.
 - 17.3.3.1 Company Overview
 - 17.3.3.2 Product Portfolio
 - 17.3.4 Imerys USA Inc.
 - 17.3.4.1 Company Overview
 - 17.3.4.2 Product Portfolio
 - 17.3.5 Krosaki Harima Corporation
 - 17.3.5.1 Company Overview
 - 17.3.5.2 Product Portfolio
 - 17.3.6 Morgan Advanced Materials Plc
 - 17.3.6.1 Company Overview
 - 17.3.6.2 Product Portfolio
 - 17.3.6.3 Financials
 - 17.3.7 Refratechnik Holding GmbH
 - 17.3.7.1 Company Overview

- 17.3.7.2 Product Portfolio
- 17.3.7.3 Financials
- 17.3.8 RHI Magnesita GmbH
 - 17.3.8.1 Company Overview
 - 17.3.8.2 Product Portfolio
 - 17.3.8.3 Financials
- 17.3.9 Vesuvius Plc
 - 17.3.9.1 Company Overview
 - 17.3.9.2 Product Portfolio
 - 17.3.9.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Refractories Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Refractories Market Forecast: Breakup by Form (in Million US\$), 2024-2032

Table 3: Global: Refractories Market Forecast: Breakup by Alkalinity (in Million US\$), 2024-2032

Table 4: Global: Refractories Market Forecast: Breakup by Manufacturing Process (in Million US\$), 2024-2032

Table 5: Global: Refractories Market Forecast: Breakup by Composition (in Million US\$), 2024-2032

Table 6: Global: Refractories Market Forecast: Breakup by Refractory Mineral (in Million US\$), 2024-2032

Table 7: Global: Refractories Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 8: Global: Refractories Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 9: Global: Refractories Market Structure

Table 10: Global: Refractories Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Refractories Market: Major Drivers and Challenges

Figure 2: Global: Refractories Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Refractories Market: Breakup by Form (in %), 2023

Figure 4: Global: Refractories Market: Breakup by Alkalinity (in %), 2023

Figure 5: Global: Refractories Market: Breakup by Manufacturing Process (in %), 2023

Figure 6: Global: Refractories Market: Breakup by Composition (in %), 2023

Figure 7: Global: Refractories Market: Breakup by Refractory Mineral (in %), 2023

Figure 8: Global: Refractories Market: Breakup by Application (in %), 2023

Figure 9: Global: Refractories Market: Breakup by Region (in %), 2023

Figure 10: Global: Refractories Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 11: Global: Refractories (Shaped Refractories) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Refractories (Shaped Refractories) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Refractories (Unshaped Refractories) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Refractories (Unshaped Refractories) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Refractories (Acidic and Neutral) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Refractories (Acidic and Neutral) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Refractories (Basic) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Refractories (Basic) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Refractories (Dry Press Process) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Refractories (Dry Press Process) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Refractories (Fused Cast) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: Refractories (Fused Cast) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Refractories (Hand Molded) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Refractories (Hand Molded) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Refractories (Formed) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Refractories (Formed) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Refractories (Unformed) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Refractories (Unformed) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Refractories (Clay-Based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Refractories (Clay-Based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: Refractories (Nonclay-Based) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: Refractories (Nonclay-Based) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: Refractories (Graphite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: Refractories (Graphite) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Global: Refractories (Magnesite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Global: Refractories (Magnesite) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Global: Refractories (Chromite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Global: Refractories (Chromite) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Global: Refractories (Silica) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Global: Refractories (Silica) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Global: Refractories (High Alumina) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Global: Refractories (High Alumina) Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 43: Global: Refractories (Zirconia) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Global: Refractories (Zirconia) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Global: Refractories (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Global: Refractories (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: Global: Refractories (Iron and Steel) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: Global: Refractories (Iron and Steel) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: Global: Refractories (Cement) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: Global: Refractories (Cement) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Global: Refractories (Non-Ferrous Metals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Global: Refractories (Non-Ferrous Metals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Global: Refractories (Glass) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Global: Refractories (Glass) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Global: Refractories (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Global: Refractories (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: North America: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: North America: Refractories Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: United States: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: United States: Refractories Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: Canada: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: Canada: Refractories Market Forecast: Sales Value (in Million US\$),

2024-2032

Figure 63: Asia Pacific: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Asia Pacific: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 65: China: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: China: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 67: Japan: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Japan: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 69: India: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: India: Refractories Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: South Korea: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: South Korea: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 73: Australia: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Australia: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 75: Indonesia: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Indonesia: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 77: Others: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Others: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 79: Europe: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Europe: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 81: Germany: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Germany: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 83: France: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 84: France: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 85: United Kingdom: Refractories Market: Sales Value (in Million US\$), 2018 &
2023

Figure 86: United Kingdom: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 87: Italy: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 88: Italy: Refractories Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 89: Spain: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 90: Spain: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 91: Russia: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 92: Russia: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 93: Others: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 94: Others: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 95: Latin America: Refractories Market: Sales Value (in Million US\$), 2018 &
2023

Figure 96: Latin America: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 97: Brazil: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 98: Brazil: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 99: Mexico: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 100: Mexico: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 101: Others: Refractories Market: Sales Value (in Million US\$), 2018 & 2023

Figure 102: Others: Refractories Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 103: Middle East and Africa: Refractories Market: Sales Value (in Million US\$),
2018 & 2023

Figure 104: Middle East and Africa: Refractories Market Forecast: Sales Value (in
Million US\$), 2024-2032

Figure 105: Global: Refractories Industry: SWOT Analysis

Figure 106: Global: Refractories Industry: Value Chain Analysis

Figure 107: Global: Refractories Industry: Porter's Five Forces Analysis

I would like to order

Product name: Refractories Market Report by Form (Shaped Refractories, Unshaped Refractories), Alkalinity (Acidic and Neutral, Basic), Manufacturing Process (Dry Press Process, Fused Cast, Hand Molded, Formed, Unformed), Composition (Clay-Based, Nonclay-Based), Refractory Mineral (Graphite, Magnesite, Chromite, Silica, High Alumina, Zirconia, and Others), Application (Iron and Steel, Cement, Non-Ferrous Metals, Glass, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/R77942CF08ABEN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R77942CF08ABEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms

& Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970