

Refractories Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

<https://marketpublishers.com/r/RDC72EC03899EN.html>

Date: May 2022

Pages: 147

Price: US\$ 2,499.00 (Single User License)

ID: RDC72EC03899EN

Abstracts

The global refractories market reached a value of US\$ 24.2 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 31.7 Billion by 2027, exhibiting a CAGR of 4.4% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

Refractories refer to various inorganic, non-metallic, porous and heterogeneous materials that are designed to withstand high industrial temperatures and pressures. Some of the most common types of refractory materials include fireclay, high alumina minerals, silica, magnesite, chromite, etc. They are manufactured using such materials as these are resistant to mechanical and thermal stress, corrosion from solids, liquids and gases, mechanical abrasion and gas diffusion. They are used in boilers and furnaces to contain heat and protect the processing equipment from intense temperatures. They are available in a wide variety of shapes and sizes that can be pressed or molded as per the required dimensions. Owing to this, they find extensive applications across various sectors, including iron and steel manufacturing, energy, chemical, non-ferrous metals, glass, cement and ceramics.

Significant growth in the steel industry across the globe is one of the key factors creating a positive outlook for the market. The market is further driven by rising infrastructural activities, especially in developing nations. In comparison to the traditionally used tools, refractories have higher-temperature resistance, are more convenient to install and can manufacture bricks in customized shapes. There is also a widespread adoption of unshaped refractories for various construction applications. Additionally, technological advancements and the emerging trend of recycling refractory

materials for manufacturing steel are also creating a positive impact on the market. Other factors, including the growing demand for non-ferrous metals, along with the increasing utilization of aerospace, automotive, medical, electrical and construction castings, are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global refractories market, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on form, alkalinity, manufacturing process, composition, refractory mineral and application.

Breakup by Form:

- Shaped Refractories
- Unshaped Refractories

Breakup by Alkalinity:

- Acidic and Neutral
- Basic

Breakup by Manufacturing Process:

- Dry Press Process
- Fused Cast
- Hand Molded
- Formed
- Unformed

Breakup by Composition:

- Clay-Based
- Nonclay-Based

Breakup by Refractory Mineral:

- Graphite
- Magnesite
- Chromite

Silica
High Alumina
Zirconia
Others

Breakup by Application:

Iron and Steel
Cement
Non-Ferrous Metals
Glass
Others

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

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being 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, etc.

Key Questions Answered in This Report:

How has the global refractories market performed so far and how will it perform in the coming years?

What are the key regional markets?

What has been the impact of COVID-19 on the global refractories industry?

What is the breakup of the market based on the form?

What is the breakup of the market based on the alkalinity?

What is the breakup of the market based on the manufacturing process?

What is the breakup of the market based on the composition?

What is the breakup of the market based on the refractory minerals?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global refractories market and who are the key players?

What is the degree of competition in the industry?

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, 2021 and 2027

Table 2: Global: Refractories Market Forecast: Breakup by Form (in Million US\$), 2022-2027

Table 3: Global: Refractories Market Forecast: Breakup by Alkalinity (in Million US\$), 2022-2027

Table 4: Global: Refractories Market Forecast: Breakup by Manufacturing Process (in Million US\$), 2022-2027

Table 5: Global: Refractories Market Forecast: Breakup by Composition (in Million US\$), 2022-2027

Table 6: Global: Refractories Market Forecast: Breakup by Refractory Mineral (in Million US\$), 2022-2027

Table 7: Global: Refractories Market Forecast: Breakup by Application (in Million US\$), 2022-2027

Table 8: Global: Refractories Market Forecast: Breakup by Region (in Million US\$), 2022-2027

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\$), 2016-2021

Figure 3: Global: Refractories Market: Breakup by Form (in %), 2021

Figure 4: Global: Refractories Market: Breakup by Alkalinity (in %), 2021

Figure 5: Global: Refractories Market: Breakup by Manufacturing Process (in %), 2021

Figure 6: Global: Refractories Market: Breakup by Composition (in %), 2021

Figure 7: Global: Refractories Market: Breakup by Refractory Mineral (in %), 2021

Figure 8: Global: Refractories Market: Breakup by Application (in %), 2021

Figure 9: Global: Refractories Market: Breakup by Region (in %), 2021

Figure 10: Global: Refractories Market Forecast: Sales Value (in Billion US\$), 2022-2027

Figure 11: Global: Refractories (Shaped Refractories) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 12: Global: Refractories (Shaped Refractories) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 13: Global: Refractories (Unshaped Refractories) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 14: Global: Refractories (Unshaped Refractories) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 15: Global: Refractories (Acidic and Neutral) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 16: Global: Refractories (Acidic and Neutral) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 17: Global: Refractories (Basic) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 18: Global: Refractories (Basic) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 19: Global: Refractories (Dry Press Process) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 20: Global: Refractories (Dry Press Process) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 21: Global: Refractories (Fused Cast) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 22: Global: Refractories (Fused Cast) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 23: Global: Refractories (Hand Molded) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 24: Global: Refractories (Hand Molded) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 25: Global: Refractories (Formed) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 26: Global: Refractories (Formed) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 27: Global: Refractories (Unformed) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 28: Global: Refractories (Unformed) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 29: Global: Refractories (Clay-Based) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 30: Global: Refractories (Clay-Based) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 31: Global: Refractories (Nonclay-Based) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 32: Global: Refractories (Nonclay-Based) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 33: Global: Refractories (Graphite) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 34: Global: Refractories (Graphite) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 35: Global: Refractories (Magnesite) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 36: Global: Refractories (Magnesite) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 37: Global: Refractories (Chromite) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 38: Global: Refractories (Chromite) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 39: Global: Refractories (Silica) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 40: Global: Refractories (Silica) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 41: Global: Refractories (High Alumina) Market: Sales Value (in Million US\$), 2016 & 2021

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

US\$), 2022-2027

Figure 43: Global: Refractories (Zirconia) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 44: Global: Refractories (Zirconia) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 45: Global: Refractories (Others) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 46: Global: Refractories (Others) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 47: Global: Refractories (Iron and Steel) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 48: Global: Refractories (Iron and Steel) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 49: Global: Refractories (Cement) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 50: Global: Refractories (Cement) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 51: Global: Refractories (Non-Ferrous Metals) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 52: Global: Refractories (Non-Ferrous Metals) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 53: Global: Refractories (Glass) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 54: Global: Refractories (Glass) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 55: Global: Refractories (Others) Market: Sales Value (in Million US\$), 2016 & 2021

Figure 56: Global: Refractories (Others) Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 57: North America: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 58: North America: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 59: United States: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 60: United States: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 61: Canada: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

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

2022-2027

Figure 63: Asia Pacific: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 64: Asia Pacific: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 65: China: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 66: China: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 67: Japan: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 68: Japan: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 69: India: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 70: India: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 71: South Korea: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 72: South Korea: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 73: Australia: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 74: Australia: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 75: Indonesia: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 76: Indonesia: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 77: Others: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 78: Others: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 79: Europe: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 80: Europe: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 81: Germany: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 82: Germany: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 83: France: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 84: France: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 85: United Kingdom: Refractories Market: Sales Value (in Million US\$), 2016 &
2021

Figure 86: United Kingdom: Refractories Market Forecast: Sales Value (in Million US\$),
2022-2027

Figure 87: Italy: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 88: Italy: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 89: Spain: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 90: Spain: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 91: Russia: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 92: Russia: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 93: Others: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 94: Others: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 95: Latin America: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 96: Latin America: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 97: Brazil: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 98: Brazil: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 99: Mexico: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 100: Mexico: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 101: Others: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 102: Others: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

Figure 103: Middle East and Africa: Refractories Market: Sales Value (in Million US\$), 2016 & 2021

Figure 104: Middle East and Africa: Refractories Market Forecast: Sales Value (in Million US\$), 2022-2027

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

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