

Global Metal Refractories Market Size Study, by Form (Shaped Refractories, Unshaped Refractories), Alkalinity (Acidic, Neutral, Basic), End Use Industry (Iron & Steel, Non-Ferrous Metals, Cement, Power Generation, Glass), and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G968A5B63666EN.html>

Date: January 2025

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G968A5B63666EN

Abstracts

The Global Metal Refractories Market, valued at approximately USD 24.09 billion in 2023, is poised to expand at an extraordinary compound annual growth rate (CAGR) of 42.40% during the forecast period from 2024 to 2032. Metal refractories, known for their exceptional ability to withstand extreme temperatures and chemical corrosion, are indispensable across various high-temperature applications, including iron and steel production, cement manufacturing, and power generation.

The rising demand for durable and heat-resistant materials in industrial applications is a significant driver of this market. Shaped refractories, tailored for specific applications, dominate the industry due to their precise structural properties and reliability. Meanwhile, unshaped refractories, known for their adaptability and cost-efficiency, are gaining traction. The sector is witnessing significant advancements in materials science, enhancing the performance of acidic, neutral, and basic refractories to meet diverse industrial demands. However, the market faces challenges such as the high costs of raw materials and stringent environmental regulations, particularly in emerging economies.

North America is the leading region in the refractories market, supported by robust industrial infrastructure and investments in sustainable production technologies. Europe closely follows, driven by innovation in non-ferrous metal applications and cement manufacturing. The Asia-Pacific region is projected to experience the fastest growth during the forecast period, bolstered by rapid industrialization, expanding steel

production capacities, and government initiatives in China and India. Additionally, regions like Latin America and the Middle East & Africa are emerging as growth hubs due to increasing energy demands and infrastructural development.

Major market players included in this report are:

RHI Magnesita

Vesuvius plc

Krosaki Harima Corporation

Calderys

Saint-Gobain

HarbisonWalker International

Morgan Advanced Materials

Almatis

Imerys

Chosun Refractories Co., Ltd.

Puyang Refractories Group Co., Ltd.

Magnezit Group

ANH Refractories Company

Shinagawa Refractories Co., Ltd.

Minteq International Inc.

The detailed segments and sub-segment of the market are explained below:

By Form:

Shaped Refractories

Unshaped Refractories

By Alkalinity:

Acidic

Neutral

Basic

By End Use Industry:

Iron & Steel

Non-Ferrous Metals

Cement

Power Generation

Glass

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market estimates and forecasts spanning a decade, highlighting transformative growth trends.

In-depth regional and country-level insights with an emphasis on emerging markets.

Comprehensive profiles of key market players and analysis of competitive dynamics.

Actionable recommendations for stakeholders to optimize strategies and capitalize on opportunities.

Detailed segmentation to provide a nuanced understanding of market dynamics across applications and regions.

Contents

CHAPTER 1. GLOBAL METAL REFRACTORIES MARKET EXECUTIVE SUMMARY

- 1.1. Global Metal Refractories Market Size & Forecast (2022-2032)
 - 1.2. Regional Summary
 - 1.3. Segmental Summary
 - 1.3.1. By Form
 - 1.3.2. By Alkalinity
 - 1.3.3. By End Use Industry
 - 1.4. Key Trends
 - 1.5. Recession Impact
 - 1.6. Analyst Recommendation & Conclusion
-

CHAPTER 2. GLOBAL METAL REFRACTORIES MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
 - 2.2. Market Definition
 - 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
 - 2.4. Estimation Methodology
 - 2.5. Years Considered for the Study
 - 2.6. Currency Conversion Rates
-

CHAPTER 3. GLOBAL METAL REFRACTORIES MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Rising Demand for Durable and Heat-Resistant Materials
- 3.1.2. Advancements in Materials Science Enhancing Refractory Performance
- 3.1.3. Expansion of High-Temperature Industrial Applications

3.2. Market Challenges

- 3.2.1. High Costs of Raw Materials
- 3.2.2. Stringent Environmental Regulations

3.3. Market Opportunities

- 3.3.1. Growing Applications in Emerging Industries
 - 3.3.2. Innovations in Refractory Functionalization and Customization
 - 3.3.3. Increasing Focus on Sustainable Industrial Practices
-

CHAPTER 4. GLOBAL METAL REFRACTORIES MARKET INDUSTRY ANALYSIS

4.1. Porter's Five Forces Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's Five Forces Model
- 4.1.7. Porter's Five Forces Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL METAL REFRACTORIES MARKET SIZE & FORECASTS BY FORM 2022-2032

5.1. Segment Dashboard

5.2. Global Metal Refractories Market: Form Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

5.2.1. Shaped Refractories

5.2.2. Unshaped Refractories

CHAPTER 6. GLOBAL METAL REFRACTORIES MARKET SIZE & FORECASTS BY ALKALINITY 2022-2032

6.1. Segment Dashboard

6.2. Global Metal Refractories Market: Alkalinity Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

6.2.1. Acidic

6.2.2. Neutral

6.2.3. Basic

CHAPTER 7. GLOBAL METAL REFRACTORIES MARKET SIZE & FORECASTS BY END USE INDUSTRY 2022-2032

7.1. Segment Dashboard

7.2. Global Metal Refractories Market: End Use Industry Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

7.2.1. Iron & Steel

7.2.2. Non-Ferrous Metals

7.2.3. Cement

7.2.4. Power Generation

7.2.5. Glass

CHAPTER 8. GLOBAL METAL REFRACTORIES MARKET SIZE & FORECASTS BY REGION 2022-2032

8.1. North America Metal Refractories Market

8.1.1. U.S. Metal Refractories Market

- 8.1.1.1. Form Breakdown Size & Forecasts, 2022-2032
- 8.1.1.2. Alkalinity Breakdown Size & Forecasts, 2022-2032
- 8.1.1.3. End Use Industry Breakdown Size & Forecasts, 2022-2032
- 8.1.1.4. Application Breakdown Size & Forecasts, 2022-2032
- 8.1.2. Canada Metal Refractories Market
 - 8.1.2.1. Form Breakdown Size & Forecasts, 2022-2032
 - 8.1.2.2. Alkalinity Breakdown Size & Forecasts, 2022-2032
 - 8.1.2.3. End Use Industry Breakdown Size & Forecasts, 2022-2032
 - 8.1.2.4. Application Breakdown Size & Forecasts, 2022-2032

8.2. Europe Metal Refractories Market

- 8.2.1. UK Metal Refractories Market
- 8.2.2. Germany Metal Refractories Market
- 8.2.3. France Metal Refractories Market
- 8.2.4. Spain Metal Refractories Market
- 8.2.5. Italy Metal Refractories Market
- 8.2.6. Rest of Europe Metal Refractories Market

8.3. Asia-Pacific Metal Refractories Market

- 8.3.1. China Metal Refractories Market
- 8.3.2. India Metal Refractories Market
- 8.3.3. Japan Metal Refractories Market
- 8.3.4. Australia Metal Refractories Market
- 8.3.5. South Korea Metal Refractories Market
- 8.3.6. Rest of Asia-Pacific Metal Refractories Market

8.4. Latin America Metal Refractories Market

- 8.4.1. Brazil Metal Refractories Market
- 8.4.2. Mexico Metal Refractories Market
- 8.4.3. Rest of Latin America Metal Refractories Market

8.5. Middle East & Africa Metal Refractories Market

- 8.5.1. Saudi Arabia Metal Refractories Market
- 8.5.2. South Africa Metal Refractories Market
- 8.5.3. Rest of Middle East & Africa Metal Refractories Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

9.1. Key Company SWOT Analysis

9.1.1. RHI Magnesita

9.1.2. Vesuvius plc

9.1.3. Krosaki Harima Corporation

9.2. Top Market Strategies

9.3. Company Profiles

9.3.1. RHI Magnesita

9.3.1.1. Key Information

9.3.1.2. Overview

9.3.1.3. Financial (Subject to Data Availability)

9.3.1.4. Product Summary

9.3.1.5. Market Strategies

9.3.2. Vesuvius plc

9.3.3. Krosaki Harima Corporation

9.3.4. Calderys

9.3.5. Saint-Gobain

9.3.6. HarbisonWalker International

9.3.7. Morgan Advanced Materials

9.3.8. Almatis

9.3.9. Imerys

9.3.10. Chosun Refractories Co., Ltd.

9.3.11. Puyang Refractories Group Co., Ltd.

9.3.12. Magnezit Group

9.3.13. ANH Refractories Company

9.3.14. Shinagawa Refractories Co., Ltd.

9.3.15. Minteq International Inc.

CHAPTER 10. RESEARCH PROCESS

10.1. Research Process

10.1.1. Data Mining

10.1.2. Analysis

10.1.3. Market Estimation

10.1.4. Validation

10.1.5. Publishing

10.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Metal Refractories Market, Report Scope

TABLE 2. Global Metal Refractories Market Estimates & Forecasts by Region
2022-2032 (USD Million/Billion)

TABLE 3. Global Metal Refractories Market Estimates & Forecasts by Form 2022-2032
(USD Million/Billion)

TABLE 4. Global Metal Refractories Market Estimates & Forecasts by Alkalinity
2022-2032 (USD Million/Billion)

TABLE 5. Global Metal Refractories Market Estimates & Forecasts by End Use Industry
2022-2032 (USD Million/Billion)

TABLE 6. Global Metal Refractories Market Estimates & Forecasts by Application
2022-2032 (USD Million/Billion)

TABLE 7. Global Metal Refractories Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 8. Global Metal Refractories Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 9. U.S. Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 10. U.S. Metal Refractories Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 11. Canada Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 12. Canada Metal Refractories Market Estimates & Forecasts by Segment
2022-2032 (USD Million/Billion)

TABLE 13. UK Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 14. Germany Metal Refractories Market Estimates & Forecasts, 2022-2032
(USD Million/Billion)

TABLE 15. France Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 16. Spain Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 17. Italy Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 18. Rest of Europe Metal Refractories Market Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 19. China Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

TABLE 20. India Metal Refractories Market Estimates & Forecasts, 2022-2032 (USD Million/Billion)

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This list is not complete; the final report does contain more than 100 tables. The list may be updated in the final deliverable.

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