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Global Environment-Friendly Anhydrous Taphole Clay Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Environment-Friendly Anhydrous Taphole Clay market size was valued at US$ 709 million in 2024 and is forecast to a readjusted size of USD 936 million by 2031 with a CAGR of 4.0% during review period.

Taphole clay is a functional refractory material used to seal and protect the iron outlet, and its quality directly determines whether the blast furnace can operate safely and stably. At present, it can be divided into two categories: water taphole clay and anhydrous taphole clay. The former is used in small and medium-sized blast furnaces with low top pressure and low degree of enhanced smelting, while the latter is used in large and medium-sized blast furnaces with high top pressure and high degree of enhanced smelting.The composition of environmentally friendly waterless taphole clay can be divided into two parts - refractory aggregate and binder. Refractory aggregate refers to refractory raw materials such as corundum, mullite, and pyroxene, as well as modified materials such as coke and mica. The binder is organic materials such as water or tar pitch and phenolic resin, and SiC is also added, Si3N4? Expansion agents and additives, etc. The aggregate is composed of a matrix with a certain particle size and weight, and is mixed with a binder to give it a certain degree of plasticity, so that it can be used to block the molten iron by hitting the iron mouth with a mud cannon.At present, waterless taphole clay is mainly used. Initially, tar was used as a binder for waterless taphole clay, but tar would produce smoke during use, deteriorate the working environment, and affect the physical and mental health of workers. Japan, the United States, Europe and other countries have developed waterless iron gun mud with resin as a binder. This type of gun mud not only eliminates the environmental pollution caused by tar as a binder, but also quickly hardens, reducing the unit consumption of

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gun mud (for example, the consumption of iron gun mud per ton of Chiba 4500 m3 blast furnace in Japan is only 0.25 kg/t), greatly improving the performance of waterless taphole clay.

This report is a detailed and comprehensive analysis for global Environment-Friendly Anhydrous Taphole Clay market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Environment-Friendly Anhydrous Taphole Clay market size and forecasts, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Environment-Friendly Anhydrous Taphole Clay market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Environment-Friendly Anhydrous Taphole Clay market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Tons), and average selling prices (US$/Ton), 2020-2031

Global Environment-Friendly Anhydrous Taphole Clay market shares of main players, shipments in revenue ($ Million), sales quantity (Tons), and ASP (US$/Ton), 2020-2025

The Primary Objectives in This Report Are:
To determine the size of the total market opportunity of global and key countries
To assess the growth potential for Environment-Friendly Anhydrous Taphole Clay
To forecast future growth in each product and end-use market
To assess competitive factors affecting the marketplace

This report profiles key players in the global Environment-Friendly Anhydrous Taphole Clay market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include RHI Magnesita,

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VESUVIUS, Allied, Saint-Gobain, KROSAKI, SHINAGAWA, Imerys, MORGAN CRUCIBLE, WEERULIN, Puyang Refractories Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Environment-Friendly Anhydrous Taphole Clay market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Tar Bonded Type

Resin Bonded Type

Others

Market segment by Application

Small Blast Furnace

Medium Sized Blast Furnace

Large Blast Furnace

Ultra Large Blast Furnace

Major players covered

RHI Magnesita

VESUVIUS

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Allied

Saint-Gobain

KROSAKI

SHINAGAWA

Imerys

MORGAN CRUCIBLE

WEERULIN

Puyang Refractories Group

Baoyi Refractories

Gongyi Hongyu Refractory Material

Luoyang Sheng Iron Refractory

Luoyang Dingxing Abrasives

XinmiCity Zhengxing Refractory Materials Materials

Yanshi Xinyang Refractory

Market segment by region, regional analysis covers
North America (United States, Canada, and Mexico)
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)
South America (Brazil, Argentina, Colombia, and Rest of South America)
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

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Chapter 1, to describe Environment-Friendly Anhydrous Taphole Clay product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Environment-Friendly Anhydrous Taphole Clay, with price, sales quantity, revenue, and global market share of Environment-Friendly Anhydrous Taphole Clay from 2020 to 2025.

Chapter 3, the Environment-Friendly Anhydrous Taphole Clay competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Environment-Friendly Anhydrous Taphole Clay breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025.and Environment-Friendly Anhydrous Taphole Clay market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Environment-Friendly Anhydrous Taphole Clay.

Chapter 14 and 15, to describe Environment-Friendly Anhydrous Taphole Clay sales channel, distributors, customers, research findings and conclusion.

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4 CONSUMPTION ANALYSIS BY REGION

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