

# Global Phosphoric Acid Etching Gel and Bonding Agent Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Phosphoric Acid Etching Gel and Bonding Agent market size was valued at US\$ 134 million in 2025 and is forecast to a readjusted size of US\$ 203 million by 2032 with a CAGR of 6.2% during review period.

Phosphate etching gel and adhesive are commonly used dental materials in dental restorations and orthodontic treatment. Phosphate etching gel is primarily used to micro-etch the enamel or dentin surface, removing surface debris and creating a microscopic rough structure to improve the surface energy and mechanical retention of the tooth. The adhesive, applied between the tooth and the restorative material after etching, acts as a penetrator, wetting agent, and chemical/mechanical bond, ensuring a firm bond between the resin, bracket, or restoration to the tooth surface. The combined use of these two materials is crucial for achieving reliable and durable bonding in dental restorations and orthodontic treatment.

Phosphate etching gels and adhesives are primarily used in oral restoration and orthodontic treatment, belonging to the category of dental consumables. Their industry chain can be summarized as follows: Upstream is the raw material and basic chemical process, mainly including high-purity phosphoric acid, thickeners (such as silica and polymers), functional monomers (such as methacrylates), solvents, initiators, and packaging materials; Midstream is the dental material manufacturing process, where companies produce phosphate etching gels of different concentrations and applicable types, as well as general-purpose or self-etching dental adhesives, through formulation design, mixing reactions, vacuum degassing, aseptic filling, and quality control; Downstream is the sales and application stage, where products enter dental hospitals,

dental clinics, and prosthesis processing institutions through dental instrument and consumable distributors, ultimately being used in clinical scenarios such as resin restorations, veneers, inlays, and orthodontic bracket bonding. The industry chain as a whole exhibits high technological barriers and a gradually increasing brand concentration.

In 2025, the average price of phosphate etching gels and adhesives was \$11 per unit, with sales volume of 11.82 million units, production capacity of 16.41 million units, and a gross profit margin of approximately 53%.

This report is a detailed and comprehensive analysis for global Phosphoric Acid Etching Gel and Bonding Agent 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 Phosphoric Acid Etching Gel and Bonding Agent market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Phosphoric Acid Etching Gel and Bonding Agent market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Phosphoric Acid Etching Gel and Bonding Agent market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Phosphoric Acid Etching Gel and Bonding Agent market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **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 Phosphoric Acid Etching Gel and Bonding Agent

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 Phosphoric Acid Etching Gel and Bonding Agent 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 3M, Ivoclar, Kerr Dental, Ultradent, BISCO, Dentsply Sirona, GC, Kuraray Noritake Dental, Tokuyama Dental, Shofu, etc.

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

## **Market Segmentation**

Phosphoric Acid Etching Gel and Bonding Agent market is split by Type and by Application. For the period 2021-2032, 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

High-Concentration Phosphate Etching Gel

Mild Phosphate Etching Gel

### Market segment by Material

Enamel Etching Gel

Dentin Etching Gel

### Market segment by Usage Step

Pre-Processed Type

Self-Etching Type

Others

#### Market segment by Application

Hospital

Clinic

Laboratory

Others

#### Major players covered

3M

Ivoclar

Kerr Dental

Ultradent

BISCO

Dentsply Sirona

GC

Kuraray Noritake Dental

Tokuyama Dental

Shofu

COLTENE

VOCO

Septodont

SDI

Kulzer

DMG

Pulpdent

Prime Dental Manufacturing

Pentron

Huge Dental Material

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:**

Chapter 1, to describe Phosphoric Acid Etching Gel and Bonding Agent product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Phosphoric Acid Etching Gel and Bonding Agent, with price, sales quantity, revenue, and global market share of Phosphoric Acid Etching Gel and Bonding Agent from 2021 to 2026.

Chapter 3, the Phosphoric Acid Etching Gel and Bonding Agent competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed

emphatically by landscape contrast.

Chapter 4, the Phosphoric Acid Etching Gel and Bonding Agent breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Phosphoric Acid Etching Gel and Bonding Agent market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Phosphoric Acid Etching Gel and Bonding Agent.

Chapter 14 and 15, to describe Phosphoric Acid Etching Gel and Bonding Agent sales channel, distributors, customers, research findings and conclusion.

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