

# Ceramic Coatings Market Size, Share, Price, Growth, Industry Report, Key Player, Major Segments & Forecast 2023-2028

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/EINPresswire.com/ -- Ceramic Coatings  
Market Outlook

According to the report by Expert  
Market Research (EMR), the global  
[ceramic coatings market share](#) is

projected to grow at a CAGR of 6.80% between 2023 and 2028. Aided by the emerging product applications in defence and aerospace industries and the rising product use in the steel sector, the market is expected to grow significantly by 2028.

Ceramic coatings are advanced materials typically used to resist wear, corrosion, and high temperatures. They are primarily composed of silica, alumina, alumina-magnesia, silicon carbide, silicon nitride, and others. These coatings find extensive use across a plethora of applications, including automotive, aerospace, industrial, energy, and healthcare.

The escalating demand for heat-resistant materials in various industries is driving the global ceramic coatings market growth. With the growing awareness of the performance advantages associated with ceramic coatings, there has been a significant shift towards their usage in high-stress environments, leading to an increase in demand for ceramic coated products. Moreover, the rising trend of efficiency and durability in the manufacturing sector has further contributed to the increasing popularity of ceramic coatings.

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The environmental benefits associated with ceramic coatings also contribute to the growing ceramic coatings market demand. Ceramic coatings are largely recognised for their eco-



Ceramic Coatings Market

friendliness, as they help in reducing CO2 emissions by improving energy efficiency. This aspect aligns well with the global push towards sustainable practices, further promoting the adoption of ceramic coatings.

The expanding applications of ceramic coatings across various industries significantly stimulate the ceramic coatings market growth. In the automotive industry, ceramic coatings are used to enhance engine efficiency and vehicle lifespan by reducing heat loss. The aerospace industry leverages ceramic coatings to protect aircraft components from extreme temperatures and corrosion. Furthermore, the energy sector uses ceramic coatings for the maintenance and longevity of power generation equipment.

Further, the growing demand for advanced materials in the healthcare industry has led to a heightened focus on ceramic coatings as a vital component in medical devices. With the rise of complex surgical procedures and the increasing popularity of minimally invasive surgeries, ceramic coatings have emerged as a critical element in the manufacturing of medical instruments, thereby boosting the ceramic coatings market expansion.

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## Ceramic Coatings Market Segmentation

The market can be divided based on type, technology, end use, and region.

### Market Breakup by Type

- Carbide
- Nitride
- Oxide
- Others

### Market Breakup by Technology

- Thermal Spray
- Physical Vapour Deposition
- Chemical Vapour Deposition
- Atmospheric Outer Spray
- Others

### Market Breakup by End Use

- Aerospace and Defence
- Transportation
- Healthcare

Energy and Power  
Industrial  
Others

## Market Breakup by Region

North America  
Europe  
Asia Pacific  
Latin America  
Middle East and Africa

## Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and acquisitions and mergers, among other major developments, of the global ceramic coatings market companies. Some of the major key players explored in the report by Expert Market Research are as follows:

Praxair Surface Technologies, Inc.  
A&A Thermal Spray Coatings  
Morgan Advanced Materials PLC  
Aremco  
Ceramic Pro LLC.  
Others

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