

Ceramic Coatings Market by Type (Oxide coatings, Carbide coatings, Nitride coatings, and others), by Technology (Thermal spray, PVD, CVD, and Others), by Application (Transportation & Automotive, Energy, Aerospace & Defense, Industrial goods, Healthcare, and Others) - Global Trends & Forecasts to 2020

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Abstracts

Ceramic coatings constitute a large family of materials with quite diverse compositions and properties. They include compositions based on alumina, alumina–magnesia, chromium, silica, silicon carbide, titania, silicon nitride, zirconia, and many others. The global ceramic coatings market is expected to grow at a CAGR of 7.50% from 2015 to 2020 to reach a value of \$10.12 billion. One of the key factors contributing to this market growth is the increase in ceramic coating of automotive components. The market is also expected to be pushed by new product developments, expansions, and the increasing demand for plasma-sprayed ceramic coating in semiconductor and LCD equipment.

The global ceramic coatings market, by product type, technology, and application, has witnessed a significant growth for the past few years, and this growth is estimated to persist in the coming years. The primary ceramic coatings product is oxide coatings that constitute majority of the market globally.

North America, Europe, and Asia-Pacific dominated the ceramic coatings market in 2014, together accounting for over 90% of the market. Country wise, the U.S. is the topmost customer of ceramic coating globally and is projected to grow at a CAGR of 6.73% in terms of value from 2015 to 2020. On the other hand, RoW including Middle East, Africa, and South America is expected to witness the highest growth rate by 2020.

The fastest growth in the ceramic coatings market in terms of value is expected to come from ceramic coatings used in healthcare industry which is expected to further expand in the coming years. In the recent past, expansions have dominated the strategies adopted by ceramic coatings players globally. The major market players have invested large amounts in emerging countries to enter and enhance their market position through capacity expansion and new plant establishments.

This report basically aims to estimate the global market of ceramic coatings for 2015 and to project the expected demand of the same by 2020. This market research study provides a detailed qualitative and quantitative analysis of the global ceramic coatings market. Various secondary sources such as encyclopedia, directories, and databases are used to identify and collect information useful for this extensive commercial study of the ceramic coatings market. The primary sources—experts from related industries and suppliers—have been interviewed to obtain and verify critical information as well as to assess the future prospects of ceramic coatings market.

Competitive scenarios of the key players in the ceramic coatings market have been discussed in detail. Leading players of this market, including APS Materials Inc., Bodycote PLC, Praxair Surface Technologies Inc., Kurt J. Lesker Co., with their recent developments and other strategic activities are also profiled in the report.

Scope of the report:

This research report categorizes the global market for ceramic coatings on the basis of product type, technology, and application by geography in terms of values, volumes and analyzes trends in each of the submarkets.

On the basis of product type: The market for ceramic coatings is segmented by types of products such as oxide coatings, carbide coatings, nitride coatings, and others. Each of these products is further described in detail in the report with volume and value forecasts as well.

On the basis of technology: The market for ceramic coatings is segmented by technology such as thermal spray, physical vapor deposition (PVD), Chemical vapor deposition (CVD), and others. Each of these technologies is further described in detail in the report with volume and value forecasts as well.

On the basis of application: The market for ceramic coatings is segmented by type of applications. Major applications of ceramic coatings are transportation and automotive,

energy, aerospace and defense, healthcare, industrial goods, and others. Each application is further described in detail in the report with volume and value forecasts as well.

On the basis of region: The ceramic coatings market by type and application is segmented by key regions—Asia-Pacific, North America, Europe, and Rest of the world, and by their key countries.

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