

# Global Thermal Spray Coatings Market Outlook to 2027

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## Abstracts

Thermal Spray Coatings are formed by the subsequent impact of a stream of spray droplets in fully molten or particularly melted states, followed by flattening, rapid cooling & solidification have been generally applied to add purposes such as wear resistance, corrosion resistance, bioactivity & dielectric properties to light metals. According to BlueQuark Research & Consulting, the global thermal spray coating market is expected to witness a considerable growth rate during the forecasted period. Factors like increasing product applications scope owing to its advantages, such as wear & corrosion protection, low toxic gas emissions, thickness capability & electrical resistance is expected to anticipated the market growth. Further, growing product demand from the industrial gas turbine applications coupled with a growing preference for thermal spray coating over hard chrome coatings is expected to enhance the market growth. Furthermore, the Aerospace industry is the largest consumer of thermal spray coatings market due to the availability of big aircraft manufacturers such as Boeing & Airbus. However, the global pandemic is hindering the industry growth due to order cancellations, a slowdown in manufacturing, restrictions on supply & transport & the movement of passengers can expect to hinder the market growth.

Thermal Spray Coatings are generally used in the automotive industry to coat cylinder rings, piston rings, crankshafts, brake discs, exhaust pipes, turbocharges, oxygen sensors & a variety of other components.

A significant growth driver for the Global Thermal Spray Coatings Market is its widespread use in the automotive industry. Due to using base materials that have a low cost & use high-tech functional coatings on them, produce vehicles that have high-level reliability, quality & durability, all at a low price. It helps in increasing the service life as well as improve the vehicle performance. Growing consumer purchasing power &

improving the standard of living are causing a significant rise in the purchase of vehicles, that's why people across the globe are extensively purchasing vehicles & this is causing a massive surge in the production of automobiles. Vehicles require thermal Spray Coatings massively for multiple components but most importantly, the engine of a car experiences tremendous heat & other adverse environmental conditions. To avoid the engine from getting damaged, automobile manufacturers are incorporating & adopting thermal Spray Coatings methods extensively & these factors are causing an exponential rise in the demand for thermal spray Coating & facilitating the market growth.

Some market key players are Oerlikon Balzers Coating USA, Turbocoating S.p.A., Lincotek Rubbiano S.p.A, Saint-Gobain, American Roller Company LLC, Praxair Surface Technologies Inc., among others.

The North America region is expected to grow considerably in the thermal spray coatings market during the forecast period. Further, the area has automotive manufacturers with the highest annual production rates, which is directly increasing demand for thermal spray coatings. Thermal spray coating protects gas turbine components from wear, corrosion, & friction, and they help extend the life of these components. High demand for gas turbines in China & India to promote fuel diversification & reduce the dependence on coal plants is anticipated to drive the segment growth. A gas turbine is a multi-fuel engine as it can use all types of combustible liquids & gases, which drives their market in various industries. Additionally going factor of the market is the increasing production of Shale Gas & tight oil due to these environmental risks. The aerospace application segment accounted for the high product demand on its advantages, such as low toxic gas emissions, wear & corrosion protection, electrical resistance, & thickness capability. A significant advantage of using plasma spray coating is its ability to spray a wide range of materials, such as metals & ceramics, on both large & small components. The process provides temperature management, clearance control, electrical conductivity & resistance against corrosion, heat & oxidation, & wear. Such technological advancements are witness to have a positive impact on segment growth positively.

In January 2021, Hannecard has acquired ASB Industries Inc. located in Barberton, Ohio, United States. ASB Industries Inc. engaged in industrial coating services like thermal spray including HVOF, flame spray, plasma spray, electric arc spray, and other techniques. Moreover, through this acquisition, the French company Hannecard has settled in the American continent after Africa, Europe, Asia, and South America.

Global Thermal Spray Coating Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Thermal Spray Coating Market by segmenting based on Product (Ceramics, Intermetallics, Polymers, Carbides, Abradables), Technology (Plasma-Spray, Flame-Spray, Cold-Spray, High Velocity Oxy-Fuel, Electric Arc, Others), End-User Industries (Automotive, Oil & Gas, Aerospace, Steel, Medical, Others). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, development, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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Protekt Rubbiano S.p.A.

Pyralis-Gobain

American Roller Company LLC

Coair Surface Technologies Inc.,

Starck, Inc

Colmonoy Corporation

Sum Verschleiss-Schutz Gmbh

Montreal Carbide Co. Ltd

Wipac Corporation

Products & Chemicals

Coating Equipments Co. Pvt. Ltd

Pont

*\*List of companies is not exhaustive*

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