

Global Thermal Barrier Coatings Market Size study, By Technology (Air Plasma, EBPVD, High-Velocity Oxy-Fuel, Chemical Vapor Deposition, Others), By Product (Ceramic, Metal, Intermetallic), By Application (Stationary Power Plant, Aerospace, Automotive, Others), By Combination (Ceramic YSZ, Al₂O₃, MCrAlY, Mullite-based, Others) and Regional Forecasts 2021-2027

<https://marketpublishers.com/r/G56E32614146EN.html>

Date: January 2022

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G56E32614146EN

Abstracts

Global Thermal Barrier Coatings Market is valued at approximately USD 15.49 billion in 2020 and is anticipated to grow with a healthy growth rate of more than 4.8 % over the forecast period 2021-2027. Thermal Barrier Coatings are used as insulating components such as gas turbines, aeroengine parts etc. These are used in stationary power plants and aerospace etc. The increasing vapor deposition technologies have led to the adoption of Thermal Barrier Coatings across the forecast period. For Instance: according to dsiac.org in 2020, the demand for thermal barrier coatings is increasing significantly due to rise in operating temperature in addition to advanced engine systems which requires new thermal protection coatings. Rising application for gas turbines in stationary power plants anticipating the growth of thermal barrier coatings market. Also, with the increasing expanding applications of thermal barrier coatings for automobiles, the adoption & demand for Thermal Barrier Coatings is likely to increase the market growth during the forecast period. However, fluctuating prices of raw materials impedes the growth of the market over the forecast period of 2021-2027.

The geographical regions considered for the global Thermal Barrier Coatings market analysis includes Asia Pacific, North America, Europe, Latin America and Rest of the

World. North America is deemed as the significant region across the globe in terms of huge market share due to the increasing demand from various applications such as aerospace, automotive, stationary power plants etc. Whereas, North America is also estimated to attain a maximum growth rate during 2021-2027. Factors such as availability of skilled labor, high disposable income and strong economy of countries would create beneficial growth forecasts for the Thermal Barrier Coatings market across North America region.

Major market players included in this report are:

Praxair Surface Technologies

Metallisation Ltd.

Flame Spray Coating Co.

Precision Coating, Inc.

MesoCoat Inc.

Cincinnati Thermal Spray, Inc.

ASB Industries Inc.

Thermion

A&A Company

TWI Ltd.

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Metal

Ceramic

Intermetallic

Others

By Application:

Stationary Power Plants

Aerospace

Automotive

Others

By Technology:

Electron-Beam Physical Vapor Deposition

High-Velocity Oxy-Fuel

Chemical Vapor Deposition

Air Plasma

Others

By Combination:

Ceramic YSZ

Al₂O₃

MCrAlY

Mullite-based

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027

Target Audience of the Global Thermal Barrier Coatings Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
 - 1.2.1. Global Thermal Barrier Coatings Market, by Region, 2019-2027 (USD Billion)
 - 1.2.2. Global Thermal Barrier Coatings Market, by Product, 2019-2027 (USD Billion)
 - 1.2.3. Global Thermal Barrier Coatings Market, by Application, 2019-2027 (USD Billion)
 - 1.2.4. Global Thermal Barrier Coatings Market, by Technology, 2019-2027 (USD Billion)
 - 1.2.5. Global Thermal Barrier Coatings Market, by Combination, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL THERMAL BARRIER COATINGS MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Scope of the Study
 - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL THERMAL BARRIER COATINGS MARKET DYNAMICS

- 3.1. Thermal Barrier Coatings Market Impact Analysis (2019-2027)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Increasing vapor deposition technologies
 - 3.1.1.2. Rising application of gas turbines in stationary power plants
 - 3.1.2. Market Challenges
 - 3.1.2.1. Fluctuating prices of raw material.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Expanding applications of thermal barrier coatings for automobiles

CHAPTER 4. GLOBAL THERMAL BARRIER COATINGS MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model
 - 4.1.1. Bargaining Power of Suppliers
 - 4.1.2. Bargaining Power of Buyers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion
- 4.5. Top investment opportunity
- 4.6. Top winning strategies

CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT

- 5.1.1. Assessment of the overall impact of COVID-19 on the industry
- 5.1.2. Pre COVID-19 and post COVID-19 market scenario

CHAPTER 6. GLOBAL THERMAL BARRIER COATINGS MARKET, BY PRODUCT

- 6.1. Market Snapshot
- 6.2. Global Thermal Barrier Coatings Market by Product, Performance - Potential Analysis
- 6.3. Global Thermal Barrier Coatings Market Estimates & Forecasts by Product, 2018-2027 (USD Billion)
- 6.4. Thermal Barrier Coatings Market, Sub Segment Analysis
 - 6.4.1. Metal
 - 6.4.2. Ceramic
 - 6.4.3. Intermetallic
 - 6.4.4. Others

CHAPTER 7. GLOBAL THERMAL BARRIER COATINGS MARKET, BY

Global Thermal Barrier Coatings Market Size study, By Technology (Air Plasma, EBPVD, High-Velocity Oxy-Fuel, C...

APPLICATION

- 7.1. Market Snapshot
- 7.2. Global Thermal Barrier Coatings Market by Application, Performance - Potential Analysis
- 7.3. Global Thermal Barrier Coatings Market Estimates & Forecasts by Application, 2018-2027 (USD Billion)
- 7.4. Thermal Barrier Coatings Market, Sub Segment Analysis
 - 7.4.1. Stationary Power Plants
 - 7.4.2. Aerospace
 - 7.4.3. Automotive
 - 7.4.4. Others

CHAPTER 8. GLOBAL THERMAL BARRIER COATINGS MARKET, BY TECHNOLOGY

- 8.1. Market Snapshot
- 8.2. Global Thermal Barrier Coatings Market by Technology, Performance - Potential Analysis
- 8.3. Global Thermal Barrier Coatings Market Estimates & Forecasts by Technology, 2018-2027 (USD Billion)
- 8.4. Thermal Barrier Coatings Market, Sub Segment Analysis
 - 8.4.1. Electron-Beam Physical Vapor Deposition
 - 8.4.2. High-Velocity Oxy-Fuel
 - 8.4.3. Chemical Vapor Deposition
 - 8.4.4. Air Plasma
 - 8.4.5. Others

CHAPTER 9. GLOBAL THERMAL BARRIER COATINGS MARKET, BY COMBINATION

- 9.1. Market Snapshot
- 9.2. Global Thermal Barrier Coatings Market by Combination, Performance - Potential Analysis
- 9.3. Global Thermal Barrier Coatings Market Estimates & Forecasts by Combination, 2018-2027 (USD Billion)
- 9.4. Thermal Barrier Coatings Market, Sub Segment Analysis
 - 9.4.1. Ceramic YSZ
 - 9.4.2. Al₂O₃

- 9.4.3. MCrAlY
- 9.4.4. Mullite-based
- 9.4.5. Others

CHAPTER 10. GLOBAL THERMAL BARRIER COATINGS MARKET, REGIONAL ANALYSIS

- 10.1. Thermal Barrier Coatings Market, Regional Market Snapshot
- 10.2. North America Thermal Barrier Coatings Market
 - 10.2.1. U.S. Thermal Barrier Coatings Market
 - 10.2.1.1. Product breakdown estimates & forecasts, 2018-2027
 - 10.2.1.2. Application breakdown estimates & forecasts, 2018-2027
 - 10.2.1.3. Technology breakdown estimates & forecasts, 2018-2027
 - 10.2.1.4. Combination breakdown estimates & forecasts, 2018-2027
 - 10.2.2. Canada Thermal Barrier Coatings Market
- 10.3. Europe Thermal Barrier Coatings Market Snapshot
 - 10.3.1. U.K. Thermal Barrier Coatings Market
 - 10.3.2. Germany Thermal Barrier Coatings Market
 - 10.3.3. France Thermal Barrier Coatings Market
 - 10.3.4. Spain Thermal Barrier Coatings Market
 - 10.3.5. Italy Thermal Barrier Coatings Market
 - 10.3.6. Rest of Europe Thermal Barrier Coatings Market
- 10.4. Asia-Pacific Thermal Barrier Coatings Market Snapshot
 - 10.4.1. China Thermal Barrier Coatings Market
 - 10.4.2. India Thermal Barrier Coatings Market
 - 10.4.3. Japan Thermal Barrier Coatings Market
 - 10.4.4. Australia Thermal Barrier Coatings Market
 - 10.4.5. South Korea Thermal Barrier Coatings Market
 - 10.4.6. Rest of Asia Pacific Thermal Barrier Coatings Market
- 10.5. Latin America Thermal Barrier Coatings Market Snapshot
 - 10.5.1. Brazil Thermal Barrier Coatings Market
 - 10.5.2. Mexico Thermal Barrier Coatings Market
- 10.6. Rest of The World Thermal Barrier Coatings Market

CHAPTER 11. COMPETITIVE INTELLIGENCE

- 11.1. Top Market Strategies
- 11.2. Company Profiles
 - 11.2.1. Praxair Surface Technologies

- 11.2.1.1. Key Information
- 11.2.1.2. Overview
- 11.2.1.3. Financial (Subject to Data Availability)
- 11.2.1.4. Product Summary
- 11.2.1.5. Recent Developments
- 11.2.2. Metallisation Ltd.
- 11.2.3. Flame Spray Coating Co.
- 11.2.4. Precision Coating, Inc.
- 11.2.5. MesoCoat Inc.
- 11.2.6. Cincinnati Thermal Spray, Inc.
- 11.2.7. ASB Industries Inc.
- 11.2.8. Thermion
- 11.2.9. A&A Company
- 11.2.10. TWI Ltd.

CHAPTER 12. RESEARCH PROCESS

- 12.1. Research Process
 - 12.1.1. Data Mining
 - 12.1.2. Analysis
 - 12.1.3. Market Estimation
 - 12.1.4. Validation
 - 12.1.5. Publishing
- 12.2. Research Attributes
- 12.3. Research Assumption

List Of Tables

LIST OF TABLES

- TABLE 1. Global Thermal Barrier Coatings market, report scope
- TABLE 2. Global Thermal Barrier Coatings market estimates & forecasts by Region 2018-2027 (USD Billion)
- TABLE 3. Global Thermal Barrier Coatings market estimates & forecasts by Product 2018-2027 (USD Billion)
- TABLE 4. Global Thermal Barrier Coatings market estimates & forecasts by Application 2018-2027 (USD Billion)
- TABLE 5. Global Thermal Barrier Coatings market estimates & forecasts by Technology 2018-2027 (USD Billion)
- TABLE 6. Global Thermal Barrier Coatings market estimates & forecasts by Combination 2018-2027 (USD Billion)
- TABLE 7. Global Thermal Barrier Coatings market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 8. Global Thermal Barrier Coatings market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 9. Global Thermal Barrier Coatings market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 10. Global Thermal Barrier Coatings market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 11. Global Thermal Barrier Coatings market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 12. Global Thermal Barrier Coatings market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 13. Global Thermal Barrier Coatings market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 14. Global Thermal Barrier Coatings market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 15. Global Thermal Barrier Coatings market by segment, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 16. Global Thermal Barrier Coatings market by region, estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 17. U.S. Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 18. U.S. Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 19. U.S. Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 20. Canada Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 21. Canada Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 22. Canada Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 23. UK Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 24. UK Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 25. UK Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 26. Germany Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 27. Germany Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 28. Germany Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 29. RoE Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 30. RoE Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 31. RoE Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 32. China Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 33. China Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 34. China Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 35. India Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 36. India Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 37. India Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 38. Japan Thermal Barrier Coatings market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 39. Japan Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 40. Japan Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 41. RoAPAC Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 42. RoAPAC Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 43. RoAPAC Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 44. Brazil Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 45. Brazil Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 46. Brazil Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 47. Mexico Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 48. Mexico Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 49. Mexico Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 50. RoLA Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 51. RoLA Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 52. RoLA Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 53. Row Thermal Barrier Coatings market estimates & forecasts, 2018-2027 (USD Billion)

TABLE 54. Row Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 55. Row Thermal Barrier Coatings market estimates & forecasts by segment 2018-2027 (USD Billion)

TABLE 56. List of secondary sources, used in the study of global Thermal Barrier Coatings market

TABLE 57. List of primary sources, used in the study of global Thermal Barrier Coatings market

TABLE 58. Years considered for the study

TABLE 59. Exchange rates considered

List Of Figures

LIST OF FIGURES

- FIG 1. Global Thermal Barrier Coatings market, research methodology
- FIG 2. Global Thermal Barrier Coatings market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Thermal Barrier Coatings market, key trends 2020
- FIG 5. Global Thermal Barrier Coatings market, growth prospects 2021-2027
- FIG 6. Global Thermal Barrier Coatings market, porters 5 force model
- FIG 7. Global Thermal Barrier Coatings market, pest analysis
- FIG 8. Global Thermal Barrier Coatings market, value chain analysis
- FIG 9. Global Thermal Barrier Coatings market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Thermal Barrier Coatings market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Thermal Barrier Coatings market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Thermal Barrier Coatings market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Thermal Barrier Coatings market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Thermal Barrier Coatings market, regional snapshot 2018 & 2027
- FIG 15. North America Thermal Barrier Coatings market 2018 & 2027 (USD Billion)
- FIG 16. Europe Thermal Barrier Coatings market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific Thermal Barrier Coatings market 2018 & 2027 (USD Billion)
- FIG 18. Latin America Thermal Barrier Coatings market 2018 & 2027 (USD Billion)
- FIG 19. Global Thermal Barrier Coatings market, company market share analysis (2020)

I would like to order

Product name: Global Thermal Barrier Coatings Market Size study, By Technology (Air Plasma, EBPVD, High-Velocity Oxy-Fuel, Chemical Vapor Deposition, Others), By Product (Ceramic, Metal, Intermetallic), By Application (Stationary Power Plant, Aerospace, Automotive, Others), By Combination (Ceramic YSZ, Al₂O₃, MCrAlY, Mullite-based, Others) and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G56E32614146EN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G56E32614146EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970