+357 96 030922
info@marketpublishers.com

Global Room Temperature Blackening Agent Market Growth 2026-2032

https://marketpublishers.com/r/G1CB6CD0954CEN.html
Date: July 2026
Pages: 111
Price: US$ 3,660.00 (Single User License)
ID: G1CB6CD0954CEN

Abstracts

The global Room Temperature Blackening Agent market size is predicted to grow from US$ 298 million in 2025 to US$ 406 million in 2032; it is expected to grow at a CAGR of 4.6% from 2026 to 2032.

In 2025, the global production of room-temperature blackening agents was approximately 87,000 tons, with an average selling price of around US$3,500 per ton. Single-line production capacity is approximately 2,000-4,000 tons per year, with an average gross profit margin of about 10-20%. Room-temperature blackening agents are chemical reagents used for surface treatment of steel materials. They can form a black oxide film on the metal surface at room temperature, providing corrosion protection and decorative effects. This treatment method offers advantages over traditional high-temperature blackening, including being pollution-free, energy-efficient, and easy to operate.

The upstream core raw materials for room-temperature blackening agents mainly include film-forming main salts (such as selenite, copper sulfate, and molybdate), pH regulators (such as phosphoric acid and organic acids), complexing agents (such as citrate and EDTA), and accelerators and stabilizers; its downstream applications are directly in end-processing industries that require decorative, anti-rust, and anti-reflective properties on the surface of steel workpieces. These industries mainly include standard parts and fasteners, mechanical parts, hardware tools, automotive parts, and military and instrumentation fields, achieving aesthetic and anti-rust functions by forming a black conversion film.

The market for room-temperature blackening agents has maintained steady growth in recent years, driven by the continuous development of the manufacturing industry and

+357 96 030922
info@marketpublishers.com

the increasing demand for metal surface treatment. Room-temperature blackening agents are primarily used for rust prevention and decorative treatment of metal surfaces and are widely applied in industries such as automotive, construction, electronics, and aerospace, especially in applications requiring high standards of corrosion resistance and aesthetics for metals like steel, copper, and aluminum alloys. With increasingly stringent environmental regulations, environmentally friendly, low-toxicity, and low-pollution room-temperature blackening agents are gradually becoming the market mainstream, driving innovation in related technologies and products. Market growth is mainly driven by the automotive and construction industries, particularly the high standards required for metal surface treatment in automotive parts, mechanical equipment, and precision electronic products. Furthermore, with increased consumer attention to product appearance, the demand for decorative room-temperature blackening agents is also steadily rising. In the future, with technological advancements and stricter environmental requirements, the market will become further segmented, and the trend towards multi-functional and personalized products will become more pronounced.

LP Information, Inc. (LPI) ' newest research report, the ?Room Temperature Blackening Agent Industry Forecast? looks at past sales and reviews total world Room Temperature Blackening Agent sales in 2025, providing a comprehensive analysis by region and market sector of projected Room Temperature Blackening Agent sales for 2026 through 2032. With Room Temperature Blackening Agent sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Room Temperature Blackening Agent industry.

This Insight Report provides a comprehensive analysis of the global Room Temperature Blackening Agent landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Room Temperature Blackening Agent portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms? unique position in an accelerating global Room Temperature Blackening Agent market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Room Temperature Blackening Agent and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced

+357 96 030922
info@marketpublishers.com

view of the current state and future trajectory in the global Room Temperature Blackening Agent.

This report presents a comprehensive overview, market shares, and growth opportunities of Room Temperature Blackening Agent market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Liquid

Powder

Segmentation by Suitable Substrates:

Steel

Copper Alloy

Cast Iron

Others

Segmentation by Reaction Mechanism:

Acidic Room Temperature Blackening Agent

Neutral Room Temperature Blackening Agent

Alkaline Room Temperature Blackening Agent

Segmentation by Application:

Machinery Components

Electronics & Precision Instruments

+357 96 030922
info@marketpublishers.com

Aerospace

Automotive

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

+357 96 030922
info@marketpublishers.com

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Birchwood

ECOSOND

JAX Chemical

Henkel

Guangzhou Yishun Chemical

Nantong Rui'ao New Materials Technology

Cangzhou Sanyu Chemical Products

Liuzhou Guodian Chemicals

+357 96 030922
info@marketpublishers.com

Shandong Shiqiang New Materials Technology

Shenzhen Shengdeyi Surface Treatment Technology

Hunan Guterui Novel Material Science and Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Room Temperature Blackening Agent market?

What factors are driving Room Temperature Blackening Agent market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How doRoom Temperature Blackening Agent market opportunities vary by end market size?

How does Room Temperature Blackening Agent break out by Type, by Application?

+357 96 030922
info@marketpublishers.com

Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered
1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Room Temperature Blackening Agent Annual Sales 2021-2032
  2.1.2 World Current & Future Analysis for Room Temperature Blackening Agent by Geographic Region, 2021, 2025 & 2032
  2.1.3 World Current & Future Analysis for Room Temperature Blackening Agent by Country/Region, 2021, 2025 & 2032
2.2 Room Temperature Blackening Agent Segment by Type
  2.2.1 Liquid
  2.2.2 Powder
  2.2.3 Room Temperature Blackening Agent Sales by Type
    2.2.3.1 Global Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
    2.2.3.2 Global Room Temperature Blackening Agent Revenue and Market Share by Type (2021-2026)
    2.2.3.3 Global Room Temperature Blackening Agent Sale Price by Type (2021-2026)
2.3 Room Temperature Blackening Agent Segment by Suitable Substrates
  2.3.1 Steel
  2.3.2 Copper Alloy
  2.3.3 Cast Iron
  2.3.4 Others
  2.3.5 Room Temperature Blackening Agent Sales by Suitable Substrates
    2.3.5.1 Global Room Temperature Blackening Agent Sales Market Share by Suitable Substrates (2021-2026)
    2.3.5.2 Global Room Temperature Blackening Agent Revenue and Market Share by

+357 96 030922
info@marketpublishers.com

Suitable Substrates (2021-2026)
2.3.5.3 Global Room Temperature Blackening Agent Sale Price by Suitable Substrates (2021-2026)
2.4 Room Temperature Blackening Agent Segment by Reaction Mechanism
2.4.1 Acidic Room Temperature Blackening Agent
2.4.2 Neutral Room Temperature Blackening Agent
2.4.3 Alkaline Room Temperature Blackening Agent
2.4.4 Room Temperature Blackening Agent Sales by Reaction Mechanism
2.4.4.1 Global Room Temperature Blackening Agent Sales Market Share by Reaction Mechanism (2021-2026)
2.4.4.2 Global Room Temperature Blackening Agent Revenue and Market Share by Reaction Mechanism (2021-2026)
2.4.4.3 Global Room Temperature Blackening Agent Sale Price by Reaction Mechanism (2021-2026)
2.5 Room Temperature Blackening Agent Segment by Application
2.5.1 Machinery Components
2.5.2 Electronics & Precision Instruments
2.5.3 Aerospace
2.5.4 Automotive
2.5.5 Others
2.5.6 Room Temperature Blackening Agent Sales by Application
2.5.6.1 Global Room Temperature Blackening Agent Sale Market Share by Application (2021-2026)
2.5.6.2 Global Room Temperature Blackening Agent Revenue and Market Share by Application (2021-2026)
2.5.6.3 Global Room Temperature Blackening Agent Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Room Temperature Blackening Agent Breakdown Data by Company
3.1.1 Global Room Temperature Blackening Agent Annual Sales by Company (2021-2026)
3.1.2 Global Room Temperature Blackening Agent Sales Market Share by Company (2021-2026)
3.2 Global Room Temperature Blackening Agent Annual Revenue by Company (2021-2026)
3.2.1 Global Room Temperature Blackening Agent Revenue by Company (2021-2026)
3.2.2 Global Room Temperature Blackening Agent Revenue Market Share by

+357 96 030922
info@marketpublishers.com

Company (2021-2026)
3.3 Global Room Temperature Blackening Agent Sale Price by Company
3.4 Key Manufacturers Room Temperature Blackening Agent Producing Area Distribution, Sales Area, Product Type
3.4.1 Key Manufacturers Room Temperature Blackening Agent Product Location Distribution
3.4.2 Players Room Temperature Blackening Agent Products Offered
3.5 Market Concentration Rate Analysis
3.5.1 Competition Landscape Analysis
3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
3.6 New Products and Potential Entrants
3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR ROOM TEMPERATURE BLACKENING AGENT BY GEOGRAPHIC REGION

4.1 World Historic Room Temperature Blackening Agent Market Size by Geographic Region (2021-2026)
4.1.1 Global Room Temperature Blackening Agent Annual Sales by Geographic Region (2021-2026)
4.1.2 Global Room Temperature Blackening Agent Annual Revenue by Geographic Region (2021-2026)
4.2 World Historic Room Temperature Blackening Agent Market Size by Country/Region (2021-2026)
4.2.1 Global Room Temperature Blackening Agent Annual Sales by Country/Region (2021-2026)
4.2.2 Global Room Temperature Blackening Agent Annual Revenue by Country/Region (2021-2026)
4.3 Americas Room Temperature Blackening Agent Sales Growth
4.4 APAC Room Temperature Blackening Agent Sales Growth
4.5 Europe Room Temperature Blackening Agent Sales Growth
4.6 Middle East & Africa Room Temperature Blackening Agent Sales Growth

5 AMERICAS

5.1 Americas Room Temperature Blackening Agent Sales by Country
5.1.1 Americas Room Temperature Blackening Agent Sales by Country (2021-2026)
5.1.2 Americas Room Temperature Blackening Agent Revenue by Country (2021-2026)

+357 96 030922
info@marketpublishers.com

5.2 Americas Room Temperature Blackening Agent Sales by Type (2021-2026)
5.3 Americas Room Temperature Blackening Agent Sales by Application (2021-2026)
5.4 United States
5.5 Canada
5.6 Mexico
5.7 Brazil

6 APAC

6.1 APAC Room Temperature Blackening Agent Sales by Region
  6.1.1 APAC Room Temperature Blackening Agent Sales by Region (2021-2026)
  6.1.2 APAC Room Temperature Blackening Agent Revenue by Region (2021-2026)
6.2 APAC Room Temperature Blackening Agent Sales by Type (2021-2026)
6.3 APAC Room Temperature Blackening Agent Sales by Application (2021-2026)
6.4 China
6.5 Japan
6.6 South Korea
6.7 Southeast Asia
6.8 India
6.9 Australia
6.10 China Taiwan

7 EUROPE

7.1 Europe Room Temperature Blackening Agent by Country
  7.1.1 Europe Room Temperature Blackening Agent Sales by Country (2021-2026)
  7.1.2 Europe Room Temperature Blackening Agent Revenue by Country (2021-2026)
7.2 Europe Room Temperature Blackening Agent Sales by Type (2021-2026)
7.3 Europe Room Temperature Blackening Agent Sales by Application (2021-2026)
7.4 Germany
7.5 France
7.6 UK
7.7 Italy
7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Room Temperature Blackening Agent by Country
  8.1.1 Middle East & Africa Room Temperature Blackening Agent Sales by Country

+357 96 030922
info@marketpublishers.com

(2021-2026)
8.1.2 Middle East & Africa Room Temperature Blackening Agent Revenue by Country (2021-2026)
8.2 Middle East & Africa Room Temperature Blackening Agent Sales by Type (2021-2026)
8.3 Middle East & Africa Room Temperature Blackening Agent Sales by Application (2021-2026)
8.4 Egypt
8.5 South Africa
8.6 Israel
8.7 Turkey
8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers
10.2 Manufacturing Cost Structure Analysis of Room Temperature Blackening Agent
10.3 Manufacturing Process Analysis of Room Temperature Blackening Agent
10.4 Industry Chain Structure of Room Temperature Blackening Agent

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel
11.1.1 Direct Channels
11.1.2 Indirect Channels
11.2 Room Temperature Blackening Agent Distributors
11.3 Room Temperature Blackening Agent Customer

12 WORLD FORECAST REVIEW FOR ROOM TEMPERATURE BLACKENING AGENT BY GEOGRAPHIC REGION

12.1 Global Room Temperature Blackening Agent Market Size Forecast by Region
12.1.1 Global Room Temperature Blackening Agent Forecast by Region (2027-2032)

+357 96 030922
info@marketpublishers.com

12.1.2 Global Room Temperature Blackening Agent Annual Revenue Forecast by Region (2027-2032)
12.2 Americas Forecast by Country (2027-2032)
12.3 APAC Forecast by Region (2027-2032)
12.4 Europe Forecast by Country (2027-2032)
12.5 Middle East & Africa Forecast by Country (2027-2032)
12.6 Global Room Temperature Blackening Agent Forecast by Type (2027-2032)
12.7 Global Room Temperature Blackening Agent Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Birchwood
13.1.1 Birchwood Company Information
13.1.2 Birchwood Room Temperature Blackening Agent Product Portfolios and Specifications
13.1.3 Birchwood Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.1.4 Birchwood Main Business Overview
13.1.5 Birchwood Latest Developments
13.2 ECOSOND
13.2.1 ECOSOND Company Information
13.2.2 ECOSOND Room Temperature Blackening Agent Product Portfolios and Specifications
13.2.3 ECOSOND Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.2.4 ECOSOND Main Business Overview
13.2.5 ECOSOND Latest Developments
13.3 JAX Chemical
13.3.1 JAX Chemical Company Information
13.3.2 JAX Chemical Room Temperature Blackening Agent Product Portfolios and Specifications
13.3.3 JAX Chemical Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.3.4 JAX Chemical Main Business Overview
13.3.5 JAX Chemical Latest Developments
13.4 Henkel
13.4.1 Henkel Company Information
13.4.2 Henkel Room Temperature Blackening Agent Product Portfolios and Specifications

+357 96 030922
info@marketpublishers.com

13.4.3 Henkel Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.4.4 Henkel Main Business Overview
13.4.5 Henkel Latest Developments
13.5 Guangzhou Yishun Chemical
13.5.1 Guangzhou Yishun Chemical Company Information
13.5.2 Guangzhou Yishun Chemical Room Temperature Blackening Agent Product Portfolios and Specifications
13.5.3 Guangzhou Yishun Chemical Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.5.4 Guangzhou Yishun Chemical Main Business Overview
13.5.5 Guangzhou Yishun Chemical Latest Developments
13.6 Nantong Rui'ao New Materials Technology
13.6.1 Nantong Rui'ao New Materials Technology Company Information
13.6.2 Nantong Rui'ao New Materials Technology Room Temperature Blackening Agent Product Portfolios and Specifications
13.6.3 Nantong Rui'ao New Materials Technology Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.6.4 Nantong Rui'ao New Materials Technology Main Business Overview
13.6.5 Nantong Rui'ao New Materials Technology Latest Developments
13.7 Cangzhou Sanyu Chemical Products
13.7.1 Cangzhou Sanyu Chemical Products Company Information
13.7.2 Cangzhou Sanyu Chemical Products Room Temperature Blackening Agent Product Portfolios and Specifications
13.7.3 Cangzhou Sanyu Chemical Products Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.7.4 Cangzhou Sanyu Chemical Products Main Business Overview
13.7.5 Cangzhou Sanyu Chemical Products Latest Developments
13.8 Liuzhou Guodian Chemicals
13.8.1 Liuzhou Guodian Chemicals Company Information
13.8.2 Liuzhou Guodian Chemicals Room Temperature Blackening Agent Product Portfolios and Specifications
13.8.3 Liuzhou Guodian Chemicals Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.8.4 Liuzhou Guodian Chemicals Main Business Overview
13.8.5 Liuzhou Guodian Chemicals Latest Developments
13.9 Shandong Shiqiang New Materials Technology
13.9.1 Shandong Shiqiang New Materials Technology Company Information
13.9.2 Shandong Shiqiang New Materials Technology Room Temperature Blackening

+357 96 030922
info@marketpublishers.com

Agent Product Portfolios and Specifications
13.9.3 Shandong Shiqiang New Materials Technology Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.9.4 Shandong Shiqiang New Materials Technology Main Business Overview
13.9.5 Shandong Shiqiang New Materials Technology Latest Developments
13.10 Shenzhen Shengdeyi Surface Treatment Technology
13.10.1 Shenzhen Shengdeyi Surface Treatment Technology Company Information
13.10.2 Shenzhen Shengdeyi Surface Treatment Technology Room Temperature Blackening Agent Product Portfolios and Specifications
13.10.3 Shenzhen Shengdeyi Surface Treatment Technology Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.10.4 Shenzhen Shengdeyi Surface Treatment Technology Main Business Overview
13.10.5 Shenzhen Shengdeyi Surface Treatment Technology Latest Developments
13.11 Hunan Guterui Novel Material Science and Technology
13.11.1 Hunan Guterui Novel Material Science and Technology Company Information
13.11.2 Hunan Guterui Novel Material Science and Technology Room Temperature Blackening Agent Product Portfolios and Specifications
13.11.3 Hunan Guterui Novel Material Science and Technology Room Temperature Blackening Agent Sales, Revenue, Price and Gross Margin (2021-2026)
13.11.4 Hunan Guterui Novel Material Science and Technology Main Business Overview
13.11.5 Hunan Guterui Novel Material Science and Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1. Room Temperature Blackening Agent Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & ($ millions)
Table 2. Room Temperature Blackening Agent Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & ($ millions)
Table 3. Major Players of Liquid
Table 4. Major Players of Powder
Table 5. Global Room Temperature Blackening Agent Sales by Type (2021-2026) & (Tons)
Table 6. Global Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
Table 7. Global Room Temperature Blackening Agent Revenue by Type (2021-2026) & ($ million)
Table 8. Global Room Temperature Blackening Agent Revenue Market Share by Type (2021-2026)
Table 9. Global Room Temperature Blackening Agent Sale Price by Type (2021-2026) & (US$/Ton)
Table 10. Major Players of Steel
Table 11. Major Players of Copper Alloy
Table 12. Major Players of Cast Iron
Table 13. Major Players of Others
Table 14. Global Room Temperature Blackening Agent Sales by Suitable Substrates (2021-2026) & (Tons)
Table 15. Global Room Temperature Blackening Agent Sales Market Share by Suitable Substrates (2021-2026)
Table 16. Global Room Temperature Blackening Agent Revenue by Suitable Substrates (2021-2026) & ($ million)
Table 17. Global Room Temperature Blackening Agent Revenue Market Share by Suitable Substrates (2021-2026)
Table 18. Global Room Temperature Blackening Agent Sale Price by Suitable Substrates (2021-2026) & (US$/Ton)
Table 19. Major Players of Acidic Room Temperature Blackening Agent
Table 20. Major Players of Neutral Room Temperature Blackening Agent
Table 21. Major Players of Alkaline Room Temperature Blackening Agent
Table 22. Global Room Temperature Blackening Agent Sales by Reaction Mechanism (2021-2026) & (Tons)

+357 96 030922
info@marketpublishers.com

Table 23. Global Room Temperature Blackening Agent Sales Market Share by Reaction Mechanism (2021-2026)
Table 24. Global Room Temperature Blackening Agent Revenue by Reaction Mechanism (2021-2026) & ($ million)
Table 25. Global Room Temperature Blackening Agent Revenue Market Share by Reaction Mechanism (2021-2026)
Table 26. Global Room Temperature Blackening Agent Sale Price by Reaction Mechanism (2021-2026) & (US$/Ton)
Table 27. Global Room Temperature Blackening Agent Sale by Application (2021-2026) & (Tons)
Table 28. Global Room Temperature Blackening Agent Sale Market Share by Application (2021-2026)
Table 29. Global Room Temperature Blackening Agent Revenue by Application (2021-2026) & ($ million)
Table 30. Global Room Temperature Blackening Agent Revenue Market Share by Application (2021-2026)
Table 31. Global Room Temperature Blackening Agent Sale Price by Application (2021-2026) & (US$/Ton)
Table 32. Global Room Temperature Blackening Agent Sales by Company (2021-2026) & (Tons)
Table 33. Global Room Temperature Blackening Agent Sales Market Share by Company (2021-2026)
Table 34. Global Room Temperature Blackening Agent Revenue by Company (2021-2026) & ($ millions)
Table 35. Global Room Temperature Blackening Agent Revenue Market Share by Company (2021-2026)
Table 36. Global Room Temperature Blackening Agent Sale Price by Company (2021-2026) & (US$/Ton)
Table 37. Key Manufacturers Room Temperature Blackening Agent Producing Area Distribution and Sales Area
Table 38. Players Room Temperature Blackening Agent Products Offered
Table 39. Room Temperature Blackening Agent Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
Table 40. New Products and Potential Entrants
Table 41. Market M&A Activity & Strategy
Table 42. Global Room Temperature Blackening Agent Sales by Geographic Region (2021-2026) & (Tons)
Table 43. Global Room Temperature Blackening Agent Sales Market Share Geographic Region (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 44. Global Room Temperature Blackening Agent Revenue by Geographic Region (2021-2026) & ($ millions)
Table 45. Global Room Temperature Blackening Agent Revenue Market Share by Geographic Region (2021-2026)
Table 46. Global Room Temperature Blackening Agent Sales by Country/Region (2021-2026) & (Tons)
Table 47. Global Room Temperature Blackening Agent Sales Market Share by Country/Region (2021-2026)
Table 48. Global Room Temperature Blackening Agent Revenue by Country/Region (2021-2026) & ($ millions)
Table 49. Global Room Temperature Blackening Agent Revenue Market Share by Country/Region (2021-2026)
Table 50. Americas Room Temperature Blackening Agent Sales by Country (2021-2026) & (Tons)
Table 51. Americas Room Temperature Blackening Agent Sales Market Share by Country (2021-2026)
Table 52. Americas Room Temperature Blackening Agent Revenue by Country (2021-2026) & ($ millions)
Table 53. Americas Room Temperature Blackening Agent Sales by Type (2021-2026) & (Tons)
Table 54. Americas Room Temperature Blackening Agent Sales by Application (2021-2026) & (Tons)
Table 55. APAC Room Temperature Blackening Agent Sales by Region (2021-2026) & (Tons)
Table 56. APAC Room Temperature Blackening Agent Sales Market Share by Region (2021-2026)
Table 57. APAC Room Temperature Blackening Agent Revenue by Region (2021-2026) & ($ millions)
Table 58. APAC Room Temperature Blackening Agent Sales by Type (2021-2026) & (Tons)
Table 59. APAC Room Temperature Blackening Agent Sales by Application (2021-2026) & (Tons)
Table 60. Europe Room Temperature Blackening Agent Sales by Country (2021-2026) & (Tons)
Table 61. Europe Room Temperature Blackening Agent Revenue by Country (2021-2026) & ($ millions)
Table 62. Europe Room Temperature Blackening Agent Sales by Type (2021-2026) & (Tons)
Table 63. Europe Room Temperature Blackening Agent Sales by Application

+357 96 030922
info@marketpublishers.com

(2021-2026) & (Tons)
Table 64. Middle East & Africa Room Temperature Blackening Agent Sales by Country (2021-2026) & (Tons)
Table 65. Middle East & Africa Room Temperature Blackening Agent Revenue Market Share by Country (2021-2026)
Table 66. Middle East & Africa Room Temperature Blackening Agent Sales by Type (2021-2026) & (Tons)
Table 67. Middle East & Africa Room Temperature Blackening Agent Sales by Application (2021-2026) & (Tons)
Table 68. Key Market Drivers & Growth Opportunities of Room Temperature Blackening Agent
Table 69. Key Market Challenges & Risks of Room Temperature Blackening Agent
Table 70. Key Industry Trends of Room Temperature Blackening Agent
Table 71. Room Temperature Blackening Agent Raw Material
Table 72. Key Suppliers of Raw Materials
Table 73. Room Temperature Blackening Agent Distributors List
Table 74. Room Temperature Blackening Agent Customer List
Table 75. Global Room Temperature Blackening Agent Sales Forecast by Region (2027-2032) & (Tons)
Table 76. Global Room Temperature Blackening Agent Revenue Forecast by Region (2027-2032) & ($ millions)
Table 77. Americas Room Temperature Blackening Agent Sales Forecast by Country (2027-2032) & (Tons)
Table 78. Americas Room Temperature Blackening Agent Annual Revenue Forecast by Country (2027-2032) & ($ millions)
Table 79. APAC Room Temperature Blackening Agent Sales Forecast by Region (2027-2032) & (Tons)
Table 80. APAC Room Temperature Blackening Agent Annual Revenue Forecast by Region (2027-2032) & ($ millions)
Table 81. Europe Room Temperature Blackening Agent Sales Forecast by Country (2027-2032) & (Tons)
Table 82. Europe Room Temperature Blackening Agent Revenue Forecast by Country (2027-2032) & ($ millions)
Table 83. Middle East & Africa Room Temperature Blackening Agent Sales Forecast by Country (2027-2032) & (Tons)
Table 84. Middle East & Africa Room Temperature Blackening Agent Revenue Forecast by Country (2027-2032) & ($ millions)
Table 85. Global Room Temperature Blackening Agent Sales Forecast by Type (2027-2032) & (Tons)

+357 96 030922
info@marketpublishers.com

Table 86. Global Room Temperature Blackening Agent Revenue Forecast by Type (2027-2032) & ($ millions)
Table 87. Global Room Temperature Blackening Agent Sales Forecast by Application (2027-2032) & (Tons)
Table 88. Global Room Temperature Blackening Agent Revenue Forecast by Application (2027-2032) & ($ millions)
Table 89. Birchwood Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 90. Birchwood Room Temperature Blackening Agent Product Portfolios and Specifications
Table 91. Birchwood Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 92. Birchwood Main Business
Table 93. Birchwood Latest Developments
Table 94. ECOSOND Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 95. ECOSOND Room Temperature Blackening Agent Product Portfolios and Specifications
Table 96. ECOSOND Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 97. ECOSOND Main Business
Table 98. ECOSOND Latest Developments
Table 99. JAX Chemical Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 100. JAX Chemical Room Temperature Blackening Agent Product Portfolios and Specifications
Table 101. JAX Chemical Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 102. JAX Chemical Main Business
Table 103. JAX Chemical Latest Developments
Table 104. Henkel Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 105. Henkel Room Temperature Blackening Agent Product Portfolios and Specifications
Table 106. Henkel Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 107. Henkel Main Business
Table 108. Henkel Latest Developments
Table 109. Guangzhou Yishun Chemical Basic Information, Room Temperature

+357 96 030922
info@marketpublishers.com

Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 110. Guangzhou Yishun Chemical Room Temperature Blackening Agent Product Portfolios and Specifications
Table 111. Guangzhou Yishun Chemical Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 112. Guangzhou Yishun Chemical Main Business
Table 113. Guangzhou Yishun Chemical Latest Developments
Table 114. Nantong Rui'ao New Materials Technology Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 115. Nantong Rui'ao New Materials Technology Room Temperature Blackening Agent Product Portfolios and Specifications
Table 116. Nantong Rui'ao New Materials Technology Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 117. Nantong Rui'ao New Materials Technology Main Business
Table 118. Nantong Rui'ao New Materials Technology Latest Developments
Table 119. Cangzhou Sanyu Chemical Products Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 120. Cangzhou Sanyu Chemical Products Room Temperature Blackening Agent Product Portfolios and Specifications
Table 121. Cangzhou Sanyu Chemical Products Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 122. Cangzhou Sanyu Chemical Products Main Business
Table 123. Cangzhou Sanyu Chemical Products Latest Developments
Table 124. Liuzhou Guodian Chemicals Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 125. Liuzhou Guodian Chemicals Room Temperature Blackening Agent Product Portfolios and Specifications
Table 126. Liuzhou Guodian Chemicals Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 127. Liuzhou Guodian Chemicals Main Business
Table 128. Liuzhou Guodian Chemicals Latest Developments
Table 129. Shandong Shiqiang New Materials Technology Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 130. Shandong Shiqiang New Materials Technology Room Temperature Blackening Agent Product Portfolios and Specifications
Table 131. Shandong Shiqiang New Materials Technology Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)

+357 96 030922
info@marketpublishers.com

Table 132. Shandong Shiqiang New Materials Technology Main Business
Table 133. Shandong Shiqiang New Materials Technology Latest Developments
Table 134. Shenzhen Shengdeyi Surface Treatment Technology Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 135. Shenzhen Shengdeyi Surface Treatment Technology Room Temperature Blackening Agent Product Portfolios and Specifications
Table 136. Shenzhen Shengdeyi Surface Treatment Technology Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 137. Shenzhen Shengdeyi Surface Treatment Technology Main Business
Table 138. Shenzhen Shengdeyi Surface Treatment Technology Latest Developments
Table 139. Hunan Guterui Novel Material Science and Technology Basic Information, Room Temperature Blackening Agent Manufacturing Base, Sales Area and Its Competitors
Table 140. Hunan Guterui Novel Material Science and Technology Room Temperature Blackening Agent Product Portfolios and Specifications
Table 141. Hunan Guterui Novel Material Science and Technology Room Temperature Blackening Agent Sales (Tons), Revenue ($ Million), Price (US$/Ton) and Gross Margin (2021-2026)
Table 142. Hunan Guterui Novel Material Science and Technology Main Business
Table 143. Hunan Guterui Novel Material Science and Technology Latest Developments

+357 96 030922
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 1. Picture of Room Temperature Blackening Agent
Figure 2. Room Temperature Blackening Agent Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Room Temperature Blackening Agent Sales Growth Rate 2021-2032 (Tons)
Figure 7. Global Room Temperature Blackening Agent Revenue Growth Rate 2021-2032 ($ millions)
Figure 8. Room Temperature Blackening Agent Sales by Geographic Region (2021, 2025 & 2032) & ($ millions)
Figure 9. Room Temperature Blackening Agent Sales Market Share by Country/Region (2025)
Figure 10. Room Temperature Blackening Agent Sales Market Share by Country/Region (2021, 2025 & 2032)
Figure 11. Product Picture of Liquid
Figure 12. Product Picture of Powder
Figure 13. Global Room Temperature Blackening Agent Sales Market Share by Type in 2026
Figure 14. Global Room Temperature Blackening Agent Revenue Market Share by Type (2021-2026)
Figure 15. Product Picture of Steel
Figure 16. Product Picture of Copper Alloy
Figure 17. Product Picture of Cast Iron
Figure 18. Product Picture of Others
Figure 19. Global Room Temperature Blackening Agent Sales Market Share by Suitable Substrates in 2026
Figure 20. Global Room Temperature Blackening Agent Revenue Market Share by Suitable Substrates (2021-2026)
Figure 21. Product Picture of Acidic Room Temperature Blackening Agent
Figure 22. Product Picture of Neutral Room Temperature Blackening Agent
Figure 23. Product Picture of Alkaline Room Temperature Blackening Agent
Figure 24. Global Room Temperature Blackening Agent Sales Market Share by Reaction Mechanism in 2026
Figure 25. Global Room Temperature Blackening Agent Revenue Market Share by

+357 96 030922
info@marketpublishers.com

Reaction Mechanism (2021-2026)
Figure 26. Room Temperature Blackening Agent Consumed in Machinery Components
Figure 27. Global Room Temperature Blackening Agent Market: Machinery Components (2021-2026) & (Tons)
Figure 28. Room Temperature Blackening Agent Consumed in Electronics & Precision Instruments
Figure 29. Global Room Temperature Blackening Agent Market: Electronics & Precision Instruments (2021-2026) & (Tons)
Figure 30. Room Temperature Blackening Agent Consumed in Aerospace
Figure 31. Global Room Temperature Blackening Agent Market: Aerospace (2021-2026) & (Tons)
Figure 32. Room Temperature Blackening Agent Consumed in Automotive
Figure 33. Global Room Temperature Blackening Agent Market: Automotive (2021-2026) & (Tons)
Figure 34. Room Temperature Blackening Agent Consumed in Others
Figure 35. Global Room Temperature Blackening Agent Market: Others (2021-2026) & (Tons)
Figure 36. Global Room Temperature Blackening Agent Sale Market Share by Application (2025)
Figure 37. Global Room Temperature Blackening Agent Revenue Market Share by Application in 2026
Figure 38. Room Temperature Blackening Agent Sales by Company in 2026 (Tons)
Figure 39. Global Room Temperature Blackening Agent Sales Market Share by Company in 2026
Figure 40. Room Temperature Blackening Agent Revenue by Company in 2026 ($ millions)
Figure 41. Global Room Temperature Blackening Agent Revenue Market Share by Company in 2026
Figure 42. Global Room Temperature Blackening Agent Sales Market Share by Geographic Region (2021-2026)
Figure 43. Global Room Temperature Blackening Agent Revenue Market Share by Geographic Region in 2026
Figure 44. Americas Room Temperature Blackening Agent Sales 2021-2026 (Tons)
Figure 45. Americas Room Temperature Blackening Agent Revenue 2021-2026 ($ millions)
Figure 46. APAC Room Temperature Blackening Agent Sales 2021-2026 (Tons)
Figure 47. APAC Room Temperature Blackening Agent Revenue 2021-2026 ($ millions)
Figure 48. Europe Room Temperature Blackening Agent Sales 2021-2026 (Tons)
Figure 49. Europe Room Temperature Blackening Agent Revenue 2021-2026 ($

+357 96 030922
info@marketpublishers.com

millions)
Figure 50. Middle East & Africa Room Temperature Blackening Agent Sales 2021-2026 (Tons)
Figure 51. Middle East & Africa Room Temperature Blackening Agent Revenue 2021-2026 ($ millions)
Figure 52. Americas Room Temperature Blackening Agent Sales Market Share by Country in 2026
Figure 53. Americas Room Temperature Blackening Agent Revenue Market Share by Country (2021-2026)
Figure 54. Americas Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
Figure 55. Americas Room Temperature Blackening Agent Sales Market Share by Application (2021-2026)
Figure 56. United States Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 57. Canada Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 58. Mexico Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 59. Brazil Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 60. APAC Room Temperature Blackening Agent Sales Market Share by Region in 2026
Figure 61. APAC Room Temperature Blackening Agent Revenue Market Share by Region (2021-2026)
Figure 62. APAC Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
Figure 63. APAC Room Temperature Blackening Agent Sales Market Share by Application (2021-2026)
Figure 64. China Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 65. Japan Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 66. South Korea Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 67. Southeast Asia Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 68. India Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)

+357 96 030922
info@marketpublishers.com

Figure 69. Australia Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 70. China Taiwan Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 71. Europe Room Temperature Blackening Agent Sales Market Share by Country in 2026
Figure 72. Europe Room Temperature Blackening Agent Revenue Market Share by Country (2021-2026)
Figure 73. Europe Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
Figure 74. Europe Room Temperature Blackening Agent Sales Market Share by Application (2021-2026)
Figure 75. Germany Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 76. France Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 77. UK Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 78. Italy Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 79. Russia Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 80. Middle East & Africa Room Temperature Blackening Agent Sales Market Share by Country (2021-2026)
Figure 81. Middle East & Africa Room Temperature Blackening Agent Sales Market Share by Type (2021-2026)
Figure 82. Middle East & Africa Room Temperature Blackening Agent Sales Market Share by Application (2021-2026)
Figure 83. Egypt Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 84. South Africa Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 85. Israel Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 86. Turkey Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 87. GCC Countries Room Temperature Blackening Agent Revenue Growth 2021-2026 ($ millions)
Figure 88. Manufacturing Cost Structure Analysis of Room Temperature Blackening

+357 96 030922
info@marketpublishers.com

Agent in 2026
Figure 89. Manufacturing Process Analysis of Room Temperature Blackening Agent
Figure 90. Industry Chain Structure of Room Temperature Blackening Agent
Figure 91. Channels of Distribution
Figure 92. Global Room Temperature Blackening Agent Sales Market Forecast by Region (2027-2032)
Figure 93. Global Room Temperature Blackening Agent Revenue Market Share Forecast by Region (2027-2032)
Figure 94. Global Room Temperature Blackening Agent Sales Market Share Forecast by Type (2027-2032)
Figure 95. Global Room Temperature Blackening Agent Revenue Market Share Forecast by Type (2027-2032)
Figure 96. Global Room Temperature Blackening Agent Sales Market Share Forecast by Application (2027-2032)
Figure 97. Global Room Temperature Blackening Agent Revenue Market Share Forecast by Application (2027-2032)

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global Room Temperature Blackening Agent Market Growth 2026-2032
Product link: https://marketpublishers.com/r/G1CB6CD0954CEN.html
Price: US$ 3,660.00 (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/G1CB6CD0954CEN.html