

## **Electrical Steel Coatings Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032**

Market Report | 2024-08-20 | 320 pages | Global Market Insights

### **AVAILABLE LICENSES:**

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

### **Report description:**

The global electrical steel coatings market was valued at approximately USD 304 million in 2023 and is projected to register a CAGR of over 5.3% from 2024 to 2032, potentially surpassing USD 490 million by 2032. The demand is driven by the need for energy-efficient transformers and electric motors, the rise of renewable energy projects, smart grids, and the growth of the electric vehicle market. Stricter energy efficiency and environmental regulations also push manufacturers to adopt high-quality coatings. Key trends include a focus on energy efficiency and sustainability, with increasing demand for coatings that enhance the performance of transformers and electric motors, particularly in renewable energy and electric vehicle applications. Manufacturers are developing environmentally friendly coatings that meet stringent regulatory standards, and advancements in coating technologies are enabling better insulation and reduced energy losses. The industry is also shifting towards chrome-free and formaldehyde-free coatings.

The overall electrical steel coatings industry is classified based on the coating type, material type, application, and region. Based on coating type, the market is divided into C2, C3, C4, C5, C6, and others. C5 coatings held the dominant market share of USD 124.7 million in 2023 and are expected to reach USD 198.1 million by 2032. C5 coatings are preferred for high-stress applications like transformers and electric motors due to their superior performance, corrosion resistance, insulation properties, and energy efficiency. Their alignment with stringent regulatory standards further solidifies their market dominance.

Based on material type, the market is categorized into chrome-free, chrome-containing, formaldehyde-free, MgO, and others. Chrome-containing coatings accounted for 42% of the market share in 2023 and are projected to grow through 2032. These coatings dominate due to their superior corrosion resistance, electrical insulation properties, and heat resistance, making them crucial for enhancing the performance and longevity of electrical steel in transformers and motors. Their availability and cost-effectiveness also contribute to their widespread adoption.

Asia Pacific dominated the global electrical steel coatings market in 2023, generating USD 137.23 million in revenue, and is expected to reach USD 219.35 million by 2032. The region's dominance is due to its rapidly expanding industrial base, growing energy infrastructure, and significant investments in renewable energy projects. The booming construction and automotive sectors also drive demand for transformers, electric motors, and generators, which require high-quality electrical steel with

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

specialized coatings. Increasing urbanization and electrification in emerging economies further contribute to market growth as governments and private sectors invest heavily in upgrading power grids and energy-efficient systems.

## **Table of Contents:**

### Report Content

#### Chapter 1 Methodology and Scope

##### 1.1 Market scope and definition

##### 1.2 Base estimates and calculations

##### 1.3 Forecast calculation

##### 1.4 Data sources

###### 1.4.1 Primary

###### 1.4.2 Secondary

###### 1.4.2.1 Paid sources

###### 1.4.2.2 Public sources

#### Chapter 2 Executive Summary

##### 2.1 Industry 360 synopsis

#### Chapter 3 Industry Insights

##### 3.1 Industry ecosystem analysis

###### 3.1.1 Key manufacturers

###### 3.1.2 Distributors

###### 3.1.3 Profit margins across the industry

##### 3.2 Industry impact forces

###### 3.2.1 Growth drivers

###### 3.2.2 Market challenges

###### 3.2.3 Market opportunity

###### 3.2.3.1 New opportunities

###### 3.2.3.2 Growth potential analysis

##### 3.3 Raw material landscape

###### 3.3.1 Manufacturing trends

###### 3.3.2 Technology evolution

###### 3.3.2.1 Sustainable manufacturing

###### 3.3.2.1.1 Green practices

###### 3.3.2.1.2 Decarbonization

###### 3.3.3 Sustainability in raw materials

###### 3.3.4 Pricing trends (USD/Ton), 2021 - 2032

###### 3.3.4.1 North America

###### 3.3.4.2 Europe

###### 3.3.4.3 Asia Pacific

###### 3.3.4.4 Latin America

###### 3.3.4.5 Middle East and Africa

##### 3.4 Regulations and market impact

##### 3.5 Porter's analysis

##### 3.6 PESTEL analysis

#### Chapter 4 Competitive Landscape, 2023

##### 4.1 Company market share analysis

##### 4.2 Competitive positioning matrix

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

#### 4.3 Strategic outlook matrix

#### Chapter 5 Market Size and Forecast, Coatings Type, 2021-2032 (USD Million, Kilo Tons)

##### 5.1 Key trends

##### 5.2 C2

##### 5.3 C3

##### 5.4 C4

##### 5.5 C5

##### 5.6 C6

##### 5.7 Other (custom formulations, experimental coatings)

#### Chapter 6 Market Size and Forecast, Material Type, 2021-2032 (USD Million, Kilo Tons)

##### 6.1 Key trends

##### 6.2 Chrome free

##### 6.3 Chrome-containing

##### 6.4 Formaldehyde-free

##### 6.5 MgO

##### 6.6 Other (ceramic, fluoropolymers)

#### Chapter 7 Market Size and Forecast, By Application, 2021-2032 (USD Million, Kilo Tons)

##### 7.1 Key trends

##### 7.2 Transformers

##### 7.3 Electric motors

##### 7.4 Generators

##### 7.5 Inductors

##### 7.6 Other (magnetic sensors, relays)

#### Chapter 8 Market Size and Forecast, By Region, 2021-2032 (USD Million, Kilo Tons)

##### 8.1 Key trends

##### 8.2 North America

##### 8.2.1 U.S.

##### 8.2.2 Canada

##### 8.3 Europe

##### 8.3.1 Germany

##### 8.3.2 UK

##### 8.3.3 France

##### 8.3.4 Italy

##### 8.3.5 Spain

##### 8.3.6 Russia

##### 8.3.7 Rest of Europe

##### 8.4 Asia Pacific

##### 8.4.1 China

##### 8.4.2 India

##### 8.4.3 Japan

##### 8.4.4 Australia

##### 8.4.5 South Korea

##### 8.4.6 Malaysia

##### 8.4.7 Indonesia

##### 8.4.8 Rest of Asia Pacific

##### 8.5 Latin America

##### 8.5.1 Brazil

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 8.5.2 Mexico
- 8.5.3 Argentina
- 8.5.4 Rest of Latin America
- 8.6 MEA
  - 8.6.1 Saudi Arabia
  - 8.6.2 South Africa
  - 8.6.3 UAE
  - 8.6.4 Rest of MEA
- Chapter 9 Company Profiles
  - 9.1 AK Steel Holding Corporation
  - 9.2 ArcelorMittal SA
  - 9.3 Baosteel
  - 9.4 Chemetall GmbH
  - 9.5 Cogent Power Limited
  - 9.6 Dorf Ketal Chemicals
  - 9.7 Filtra Catalysts and Chemicals Ltd.
  - 9.8 JFE Steel Corporation
  - 9.9 Nippon Steel and Sumitomo Metal Corporation (NSSMC)
  - 9.10 Polaris Laser Laminations, LLC
  - 9.11 POSCO
  - 9.12 Proto Laminations Inc.
  - 9.13 Rembrandtin Lack GmbH Nfg. KG
  - 9.14 Steel Authority of India Limited (SAIL)
  - 9.15 Tata Steel
  - 9.16 Thyssenkrupp AG

□

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Electrical Steel Coatings Market, Opportunity, Growth Drivers, Industry Trend  
Analysis and Forecast, 2024-2032**

Market Report | 2024-08-20 | 320 pages | Global Market Insights

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-02"/>
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

