

Weathering Steel Market Size, Share & Trends Analysis Report By Application (Building & Construction, Transportation, Art & Architecture), By Region, And Segment Forecasts, 2019 - 2025

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Abstracts

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The global weathering steel market size is expected to reach USD 1.45 billion by 2025, exhibiting a CAGR of 5.6% during the forecast period, according to a new report published by Grand View Research, Inc. Increasing investments in infrastructure development projects, such as bridges and road connectivity are anticipated to augment the growth.

Weathering steel is used in facades and cladding systems for buildings and is also used in the construction of bridges as this steel can attain 120-year design life and incur low maintenance costs. Increasing global population and rapid urbanization are likely to drive the demand for buildings and vehicles, resulting in traffic congestion. This is anticipated to boost the demand for the road over bridges, which in turn is anticipated to drive the market growth in the forthcoming years.

The inclined growth of the weathering steel market in Europe is due to the rising demand for bridges, sculptures, and railway vehicles. Masts and structures for Overhead Line Equipment (OLE) are generally manufactured using mild steel rolled sections. Weathering steel is anticipated to witness a rise in demand from the region, with the ongoing electrification projects in the region, as the metal is used for replacing the mild steel to reduce costs and environmental pollution.

However, product penetration in high humid atmospheric conditions and in higher

pollution areas is likely to limit the market growth over the forecast period. Conditions with corrosive industrial or chemical fumes creates hurdles in the development of protective oxide patina. Patina is a protective layer of rustic nature which protects the structure from corrosion, failure in patina formation results in the deterioration of the structure. Thus, atmospheric conditions of the location is likely to play a key role in driving the adoption of the product.

The market is consolidated in nature with the presence of established players, such as ArcelorMittal, HBIS Group, BlueScope Steel Limited, SSAB, JFE Steel Corporation, Nippon Steel Corporation, and Tata Steel. These players focusing on capacity expansion to meet the growing product demand from potential customers.

Further key findings from the report suggest:

Building and construction segment is anticipated to progress at a CAGR of 6.2% over the forecast period, in terms of revenue on account of the rapid urbanization and rising population

Art and architecture is the second fastest-growing segment with a CAGR of over 4.8% in terms of volume owing to the rising prominence of arts, such as sculptures and statues among others

Europe emerged as the leading regional segment with a market share of 54.3% in terms of volume in 2018, attributed to the ideal atmospheric conditions of the region which enables easy adoption of weathering steel

Asia Pacific was the second-largest regional market and held a revenue share of 18.9% in 2018, attributed to the need for expanding road connectivity and infrastructure

Key participants across the market are largely investing in capacity expansions meet the growing demand from construction

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Market Segmentation
- 1.2 Market Definition, Research Scope and Assumptions
- 1.3 Research Methodology
- 1.4 List of Data Sources
- 1.5 Information Procurement
- 1.6 Information Analysis
- 1.7 Market Formulation & Data Visualization
- 1.8 Data Validation & Publishing

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Snapshot

CHAPTER 3 WEATHERING STEEL MARKET VARIABLES, TRENDS, & SCOPE

- 3.1 Global Weathering Steel Market Outlook
- 3.2 Global Weathering Steel Production
- 3.3 Penetration & Growth Prospect Mapping
- 3.4 Weathering Steel Value Chain Analysis
 - 3.4.1 Manufacturing trends & Technology trends
 - 3.4.2 Sales channel analysis
- 3.5 Regulatory Framework
- 3.6 Market Dynamics
 - 3.6.1 Market Driver Analysis
 - 3.6.2 Market Restraint Analysis
- 3.7 Business Environment Analysis: Weathering Steel Market
 - 3.7.1 Industry analysis - Porter's
 - 3.7.2 PESTEL analysis

CHAPTER 4 WEATHERING STEEL MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 4.1 Definition & Scope
- 4.2 Weathering Steel Market: Application Movement Analysis, 2018 & 2025
- 4.3 Building & construction

- 4.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
- 4.4 Transportation
 - 4.4.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
- 4.5 Art & architecture
 - 4.5.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
- 4.6 Other applications
 - 4.6.1 Market estimates and forecasts, 2014-2025 (Kilotons) (USD million)

CHAPTER 5 WEATHERING STEEL MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

- 5.1 Regional Market Snapshot
- 5.2 Regional Movement Analysis, 2018 & 2025
- 5.3 North America
 - 5.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.3 U.S.
 - 5.3.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.3.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.4 Canada
 - 5.3.4.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.4.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.5 Mexico
 - 5.3.5.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.3.5.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
- 5.4 Europe
 - 5.4.1. Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.4.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
 - 5.4.3 Germany
 - 5.4.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)
 - 5.4.3.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)
 - 5.4.4 U.K.
 - 5.4.4.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.4.4.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.4.5 France

5.4.5.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.4.5.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.5 Asia Pacific

5.5.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.5.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.5.3 China

5.5.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.5.3.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.5.4 India

5.5.4.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.5.4.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.5.5 Japan

5.5.5.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.5.5.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.6 Central & South America

5.6.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.6.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.6.3 Brazil

5.6.3.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.6.3.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

5.7 Middle East & Africa

5.7.1 Market estimates and forecasts, 2014 - 2025 (Kilotons) (USD million)

5.7.2 Market estimates and forecasts, by application, 2014 - 2025 (Kilotons) (USD million)

CHAPTER 6 WEATHERING STEEL MARKET: COMPETITIVE ANALYSIS

6.1 Competitive Scenario

6.2 Vendor Landscape

- 6.2.1 List of key players/suppliers in the industry
- 6.2.2 List of end users
- 6.3 SWOT, by top players

CHAPTER 7 COMPANY PROFILE

7.1 ArcelorMittal

- 7.1.1 Company profile
- 7.1.2 Financial performance
- 7.1.3 Product benchmarking
- 7.1.4 Strategic initiatives

7.2 POSCO

- 7.2.1 Company profile
- 7.2.2 Financial performance
- 7.2.3 Product benchmarking
- 7.2.4 Strategic initiatives

7.3 BlueScope Steel Limited

- 7.3.1 Company profile
- 7.3.2 Financial performance
- 7.3.3 Product benchmarking
- 7.3.4 Strategic initiatives

7.4 SSAB AB

- 7.4.1 Company profile
- 7.4.2 Financial performance
- 7.4.3 Product benchmarking
- 7.4.4 Strategic initiatives

7.5 HBIS Group

- 7.5.1 Company profile
- 7.5.2 Financial performance
- 7.5.3 Product benchmarking
- 7.5.4 Strategic initiatives

7.6 Nippon Steel Corporation

- 7.6.1 Company profile
- 7.6.2 Financial performance
- 7.6.3 Product benchmarking
- 7.6.4 Strategic initiatives

7.7 JFE Steel Corporation

- 7.7.1 Company profile
- 7.7.2 Financial performance

- 7.7.3 Product benchmarking
- 7.7.4 Strategic initiatives
- 7.8 Tata Steel
 - 7.8.1 Company profile
 - 7.8.2 Financial performance
 - 7.8.3 Product benchmarking
 - 7.8.4 Strategic initiatives
- 7.9 A. Zahner Company
 - 7.9.1 Company profile
 - 7.9.2 Financial performance
 - 7.9.3 Product benchmarking
 - 7.9.4 Strategic initiatives
- 7.10 Amardeep Steel
 - 7.10.1 Company profile
 - 7.10.2 Financial performance
 - 7.10.3 Product benchmarking
 - 7.10.4 Strategic initiatives

List Of Tables

LIST OF TABLES

TABLE 1 Weathering steel market estimates and forecasts in building & construction, 2014 - 2025 (Kilotons) (USD Million)

TABLE 2 Weathering steel market estimates and forecasts in transportation, 2014 - 2025 (Kilotons) (USD Million)

TABLE 3 Weathering steel market estimates and forecasts in art & architecture, 2014 - 2025 (Kilotons) (USD Million)

TABLE 4 Weathering steel market estimates and forecasts, in other applications, 2014-2025 (Kilotons) (USD Million)

TABLE 5 North America weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 6 North America weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 7 North America weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 8 U.S. weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 9 U.S. weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 10 U.S. weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 11 Canada weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 12 Canada weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 13 Canada weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 14 Mexico weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 15 Mexico weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 16 Mexico weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 17 Europe weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 18 Europe weathering steel market estimates and forecasts, by application,

2014 - 2025 (Kilotons)

TABLE 19 Europe weathering steel market estimates and forecasts, by application,
2014 - 2025 (USD Million)

TABLE 20 Germany weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 21 Germany weathering steel market estimates and forecasts, by application,
2014 - 2025 (Kilotons)

TABLE 22 Germany weathering steel market estimates and forecasts, by application,
2014 - 2025 (USD Million)

TABLE 23 U.K. weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons)
(USD Million)

TABLE 24 U.K. weathering steel market estimates and forecasts, by application, 2014 -
2025 (Kilotons)

TABLE 25 U.K. weathering steel market estimates and forecasts, by application, 2014 -
2025 (USD Million)

TABLE 26 France weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 27 France weathering steel market estimates and forecasts, by application,
2014 - 2025 (Kilotons)

TABLE 28 France weathering steel market estimates and forecasts, by application,
2014 - 2025 (USD Million)

TABLE 29 Asia Pacific weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 30 Asia Pacific weathering steel market estimates and forecasts, by application,
2014 - 2025 (Kilotons)

TABLE 31 Asia Pacific weathering steel market estimates and forecasts, by application,
2014 - 2025 (USD Million)

TABLE 32 China weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 33 China weathering steel market estimates and forecasts, by application, 2014
- 2025 (Kilotons)

TABLE 34 China weathering steel market estimates and forecasts, by application, 2014
- 2025 (USD Million)

TABLE 35 India weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 36 India weathering steel market estimates and forecasts, by application, 2014 -
2025 (Kilotons)

TABLE 37 India weathering steel market estimates and forecasts, by application, 2014 -
2025 (USD Million)

TABLE 38 Japan weathering steel market estimates and forecasts, 2014 - 2025
(Kilotons) (USD Million)

TABLE 39 Japan weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 40 Japan weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 41 Central & South America weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 42 Central & South America weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 43 Central & South America weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 44 Brazil weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 45 Brazil weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 46 Brazil weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 47 Middle East & Africa weathering steel market estimates and forecasts, 2014 - 2025 (Kilotons) (USD Million)

TABLE 48 Middle East & Africa weathering steel market estimates and forecasts, by application, 2014 - 2025 (Kilotons)

TABLE 49 Middle East & Africa weathering steel market estimates and forecasts, by application, 2014 - 2025 (USD Million)

TABLE 50 List of key players/suppliers

TABLE 51 List of end-users

List Of Figures

LIST OF FIGURES

- Fig 1. Weathering steel market segmentation
- Fig 2. Information procurement
- Fig 3. Data analysis models
- Fig 4. Market formulation and validation
- Fig 5. Data validating & publishing
- Fig 6. Global Weathering steel Market 2014 - 2025 (Revenue - USD Million; Volume - Kilotons)
- Fig 7. Penetration and growth prospect mapping (USD Million), 2014 - 2025
- Fig 8. Weathering steel market - Value chain analysis
- Fig 9. Market driver analysis
- Fig 10. Market restraint analysis
- Fig 11. Porter's analysis
- Fig 12. PESTEL analysis
- Fig 13. Weathering steel market: Application movement analysis, 2018 & 2025 (Kilotons)
- Fig 14. Weathering steel market: Regional snapshot
- Fig 15. Weathering steel market: Regional movement analysis, 2018 & 2025 (Kilotons)
- Fig 16. Competitive Scenario

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