

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market Outlook 2025-2034: Market Share, and Growth Analysis By Product (Solvent-Based Coating, Water-Based Paint, Powder Coating), By Material (Epoxy Anticorrosive Coating, Polyurethane Coating, Inorganic Zinc-Rich Coating, Alkyd Coating, Acrylic Coating, Chlorinated Rubber Coating, Other Materials), By End-User

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Abstracts

The Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market is valued at USD 2.6 billion in 2025 and is projected to grow at a CAGR of 6.9% to reach USD 4.7 billion by 2034. The global corrosion under insulation (CUI) and spray-on insulation (SOI) coatings market is driven by the critical need to prevent corrosion of insulated pipes and equipment in industries such as oil and gas, chemical processing, and power generation. CUI occurs when moisture penetrates the insulation and corrodes the underlying metal, often undetected until significant damage has occurred. SOI coatings provide a protective barrier directly on the metal surface before insulation is applied, mitigating the risk of CUI. The growth of this market is influenced by increasing awareness of the significant costs associated with CUI, stringent safety and environmental regulations, and the demand for proactive corrosion management solutions. The market benefits from the development of specialized coatings that can withstand high temperatures, resist moisture ingress, and provide long-term corrosion protection under various insulation materials. The focus is on preventing costly shutdowns, ensuring operational safety, and extending the lifespan of critical infrastructure. North America and Europe are significant markets for CUI and SOI coatings due to their extensive infrastructure in the oil and gas and chemical industries.

Asia Pacific and the Middle East are experiencing rapid growth, driven by new industrial projects and increasing emphasis on asset integrity management. The market includes specialized coating manufacturers and service providers offering application expertise.

Key Insights Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market

Increasing Adoption of Advanced Epoxy and Polyurethane Coatings: These coatings offer excellent adhesion, chemical resistance, and long-term protection against CUI.

Development of High-Temperature Resistant Coatings: Coatings that can withstand the operating temperatures of insulated equipment are crucial for preventing CUI.

Focus on Moisture Barrier Properties: Coatings with low permeability to moisture help prevent water ingress under insulation.

Growing Use of Spray-On Insulation (SOI) as a Proactive CUI Mitigation Strategy: Applying protective coatings before insulation is recognized as an effective way to prevent CUI.

Integration of Monitoring Technologies: Some advanced coating systems incorporate sensors for early detection of moisture ingress or corrosion activity.

High Costs Associated with Corrosion Under Insulation (CUI): CUI can lead to significant equipment damage, shutdowns, and safety hazards.

Stringent Safety and Environmental Regulations: Preventing leaks and failures due to corrosion is crucial for regulatory compliance.

Demand for Proactive Corrosion Management Strategies: Industries are increasingly adopting preventative measures like SOI coatings.

Need to Extend the Lifespan of Critical Infrastructure: Effective CUI mitigation helps prolong the service life of pipes and equipment.

Technological Advancements in Coating Formulations: Development of coatings

with improved performance characteristics for CUI prevention.

Complexity of Identifying and Assessing CUI: CUI often occurs hidden beneath insulation, making detection and assessment difficult.

Cost of Implementing Comprehensive CUI Prevention Programs: Implementing SOI coatings and regular inspections can involve significant upfront costs.

Ensuring Proper Surface Preparation and Coating Application: The effectiveness of CUI prevention coatings depends on proper application.

Resistance to Extreme Temperatures and Harsh Environments: Coatings need to withstand the operating conditions of insulated equipment.

Long-Term Performance and Durability of Coatings: Ensuring that coatings provide effective CUI protection over the long term is essential.

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market Segmentation

By Product

Solvent-Based Coating

Water-Based Paint

Powder Coating

By Material

Epoxy Anticorrosive Coating

Polyurethane Coating

Inorganic Zinc-Rich Coating

Alkyd Coating

Acrylic Coating

Chlorinated Rubber Coating

Other Materials

By End-User

Marine

Oil and Gas and Petrochemical

Energy and Power

Other End-Users

Key Companies Analysed

Carl Zeiss AG

Creaform Inc.

Eley Metrology

FARO Technologies Inc.

Hexagon AB

Keyence Corporation

Metronor AS

Mitutoyo Corporation

Nikon Metrology NV

Tokyo Seimitsu Co. Ltd.

Perceptron Health Inc.

WENZEL Group GmbH & Co. KG

Aberlink Ltd.

Accurate Gauging & Instruments Pvt Ltd

Dukin Co. Ltd.

Carl Zeiss AG

Applied Automation Technologies Inc.

Avon-Dynamic

Velocity Machine Inc.

Dimensional Engineering

Sipcon Instrument Industries

Helmel Engineering Products Inc.

International Metrology Systems

N. J. Metrology Inc.

Optical Gaging Products Inc.

Renishaw plc

TESA SA

Trimek S.A.

Werth Inc.

Zett Mess Technik GmbH

Automated Precision Inc.

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market data and outlook to 2034

United States

Canada

Mexico

Europe — Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings
market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi)
Coatings market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings Market Report

Global Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings trade, costs, and supply chains

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market

size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings supply chain analysis

Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings trade analysis, Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market price analysis, and Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Corrosion Under Insulation (Cui) & Spray-On Insulation (Soi) Coatings market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

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