

Global Technical Insulation Market Size Study, by Material Type (Hot, Cold-Flexible, Cold Rigid), by Application (Heating & Plumbing, HVAC, Refrigeration, Industrial Process, Acoustic), by End Use Industry (Industrial & OEM, Energy, Transportation), and Regional Forecasts 2022-2032

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Abstracts

The global technical insulation market, valued at approximately USD 10.3 billion in 2023, is set to embark on a dynamic growth trajectory, projecting a compound annual growth rate (CAGR) of 5.30% during the forecast period from 2024 to 2032. Technical insulation, pivotal in ensuring energy efficiency, safety, and acoustic comfort, has become a cornerstone across diverse industries. From safeguarding industrial processes to enhancing the sustainability of HVAC systems, this industry is experiencing heightened demand due to the escalating focus on energy conservation and regulatory compliance.

The market's robust growth is underpinned by increasing industrial activities and urbanization, which fuel the need for effective insulation solutions in heating, ventilation, and air conditioning (HVAC), as well as in refrigeration and industrial processes. Innovations in insulation materials, such as cold-flexible and hot insulation, are playing a crucial role in optimizing thermal performance, reducing energy losses, and extending equipment life spans. Furthermore, the rising adoption of acoustic insulation to mitigate noise pollution in industrial and transportation sectors underscores the market's expansive applications.

However, challenges such as fluctuating raw material costs and stringent environmental regulations may restrain market expansion. Manufacturers are compelled to innovate,

focusing on developing eco-friendly and recyclable insulation materials that align with global sustainability goals. Despite these challenges, the industry is poised for growth, driven by increased investments in energy infrastructure and the adoption of advanced insulation technologies.

Regionally, Europe dominates the technical insulation market, driven by stringent energy-efficiency regulations and widespread adoption of sustainable building practices. North America follows closely, benefitting from robust industrial activity and significant advancements in insulation technologies. Meanwhile, the Asia Pacific region is anticipated to witness the fastest growth, propelled by rapid industrialization, urban expansion, and the rising need for energy-efficient solutions in countries like China, India, and Japan.

Major market players included in this report are:

1. Rockwool International A/S
2. Owens Corning
3. Kingspan Group
4. Saint-Gobain
5. Knauf Insulation
6. Johns Manville Corporation
7. Armacell International S.A.
8. Aspen Aerogels, Inc.
9. Cabot Corporation
10. BASF SE
11. Insulcon B.V.
12. Thermaflex International Holding B.V.

13. Promat International N.V.

14. Morgan Advanced Materials

15. Isolatek International

The detailed segments and sub-segment of the market are explained below:

By Material Type

Hot

Cold-Flexible

Cold Rigid

By Application

Heating & Plumbing

HVAC

Refrigeration

Industrial Process

Acoustic

By End Use Industry

Industrial & OEM

Energy

Transportation

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

Contents

CHAPTER 1. GLOBAL TECHNICAL INSULATION MARKET EXECUTIVE SUMMARY

- 1.1. Global Technical Insulation Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Material Type
 - 1.3.2. By Application
 - 1.3.3. By End Use Industry
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL TECHNICAL INSULATION MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory Frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL TECHNICAL INSULATION MARKET DYNAMICS

3.1. Market Drivers

- 3.1.1. Increasing Industrial Activities and Urbanization
- 3.1.2. Innovations in Insulation Materials
- 3.1.3. Rising Adoption of Acoustic Insulation

3.2. Market Challenges

- 3.2.1. Fluctuating Raw Material Costs
- 3.2.2. Stringent Environmental Regulations

3.3. Market Opportunities

- 3.3.1. Development of Eco-Friendly Insulation Materials
- 3.3.2. Expansion into Emerging Markets
- 3.3.3. Integration of Advanced Insulation Technologies

CHAPTER 4. GLOBAL TECHNICAL INSULATION 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
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunities

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL TECHNICAL INSULATION MARKET SIZE & FORECASTS BY MATERIAL TYPE 2022-2032

5.1. Segment Dashboard

5.2. Global Technical Insulation Market: Material Type Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)

- 5.2.1. Hot
- 5.2.2. Cold-Flexible
- 5.2.3. Cold Rigid

CHAPTER 6. GLOBAL TECHNICAL INSULATION MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Segment Dashboard
- 6.2. Global Technical Insulation Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 6.2.1. Heating & Plumbing
 - 6.2.2. HVAC
 - 6.2.3. Refrigeration
 - 6.2.4. Industrial Process
 - 6.2.5. Acoustic

CHAPTER 7. GLOBAL TECHNICAL INSULATION MARKET SIZE & FORECASTS BY END USE INDUSTRY 2022-2032

- 7.1. Segment Dashboard
- 7.2. Global Technical Insulation Market: End Use Industry Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 7.2.1. Industrial & OEM
 - 7.2.2. Energy
 - 7.2.3. Transportation

CHAPTER 8. GLOBAL TECHNICAL INSULATION MARKET SIZE & FORECASTS BY REGION 2022-2032

- 8.1. North America Technical Insulation Market
 - 8.1.1. U.S. Technical Insulation Market
 - 8.1.1.1. Hot Material Breakdown Size & Forecasts, 2022-2032
 - 8.1.1.2. Cold-Flexible Material Breakdown Size & Forecasts, 2022-2032
 - 8.1.2. Canada Technical Insulation Market
- 8.2. Europe Technical Insulation Market
 - 8.2.1. UK Technical Insulation Market
 - 8.2.2. Germany Technical Insulation Market

- 8.2.3. France Technical Insulation Market
- 8.2.4. Spain Technical Insulation Market
- 8.2.5. Italy Technical Insulation Market
- 8.2.6. Rest of Europe Technical Insulation Market
- 8.3. Asia-Pacific Technical Insulation Market
 - 8.3.1. China Technical Insulation Market
 - 8.3.2. India Technical Insulation Market
 - 8.3.3. Japan Technical Insulation Market
 - 8.3.4. Australia Technical Insulation Market
 - 8.3.5. South Korea Technical Insulation Market
 - 8.3.6. Rest of Asia Pacific Technical Insulation Market
- 8.4. Latin America Technical Insulation Market
 - 8.4.1. Brazil Technical Insulation Market
 - 8.4.2. Mexico Technical Insulation Market
 - 8.4.3. Rest of Latin America Technical Insulation Market
- 8.5. Middle East & Africa Technical Insulation Market
 - 8.5.1. Saudi Arabia Technical Insulation Market
 - 8.5.2. South Africa Technical Insulation Market
 - 8.5.3. Rest of Middle East & Africa Technical Insulation Market

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Key Company SWOT Analysis
 - 9.1.1. Rockwool International A/S
 - 9.1.2. Owens Corning
 - 9.1.3. Kingspan Group
- 9.2. Top Market Strategies
- 9.3. Company Profiles
 - 9.3.1. Rockwool International A/S
 - 9.3.1.1. Key Information
 - 9.3.1.2. Overview
 - 9.3.1.3. Financial (Subject to Data Availability)
 - 9.3.1.4. Product Summary
 - 9.3.1.5. Market Strategies
 - 9.3.2. Saint-Gobain
 - 9.3.3. Knauf Insulation
 - 9.3.4. Johns Manville Corporation
 - 9.3.5. Armacell International S.A.
 - 9.3.6. Aspen Aerogels, Inc.

- 9.3.7. Cabot Corporation
- 9.3.8. BASF SE
- 9.3.9. Insulcon B.V.
- 9.3.10. Thermaflex International Holding B.V.
- 9.3.11. Promat International N.V.
- 9.3.12. Morgan Advanced Materials
- 9.3.13. Isolatek International

CHAPTER 10. RESEARCH PROCESS

- 10.1. Research Process
 - 10.1.1. Data Mining
 - 10.1.2. Analysis
 - 10.1.3. Market Estimation
 - 10.1.4. Validation
 - 10.1.5. Publishing
- 10.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Technical Insulation Market, Report Scope

TABLE 2. Global Technical Insulation Market Estimates & Forecasts by Region
2022-2032 (USD Million/Billion)

TABLE 3. Global Technical Insulation Market Estimates & Forecasts by Material Type
2022-2032 (USD Million/Billion)

TABLE 4. Global Technical Insulation Market Estimates & Forecasts by Application
2022-2032 (USD Million/Billion)

TABLE 5. Global Technical Insulation Market Estimates & Forecasts by End Use
Industry 2022-2032 (USD Million/Billion)

TABLE 6. Global Technical Insulation Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 7. Global Technical Insulation Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 8. Global Technical Insulation Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 9. Global Technical Insulation Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 10. Global Technical Insulation Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 11. Global Technical Insulation Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 12. Global Technical Insulation Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 13. Global Technical Insulation Market by Region, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 14. Global Technical Insulation Market by Segment, Estimates & Forecasts,
2022-2032 (USD Million/Billion)

TABLE 15. U.S. Technical Insulation Market Estimates & Forecasts, 2022-2032 (USD
Million/Billion)

TABLE 16. U.S. Technical Insulation Market Estimates & Forecasts by Material Type
2022-2032 (USD Million/Billion)

TABLE 17. U.S. Technical Insulation Market Estimates & Forecasts by Application
2022-2032 (USD Million/Billion)

TABLE 18. Canada Technical Insulation Market Estimates & Forecasts, 2022-2032
(USD Million/Billion)

TABLE 19. Canada Technical Insulation Market Estimates & Forecasts by Material Type 2022-2032 (USD Million/Billion)

TABLE 20. Canada Technical Insulation Market Estimates & Forecasts by Application 2022-2032 (USD Million/Billion)

.....

List Of Figures

LIST OF FIGURES

- FIG 1. Global Technical Insulation Market, Research Methodology
- FIG 2. Global Technical Insulation Market, Market Estimation Techniques
- FIG 3. Global Market Size Estimates & Forecast Methods
- FIG 4. Global Technical Insulation Market, Key Trends 2023
- FIG 5. Global Technical Insulation Market, Growth Prospects 2022-2032
- FIG 6. Global Technical Insulation Market, Porter's 5 Force Model
- FIG 7. Global Technical Insulation Market, PESTEL Analysis
- FIG 8. Global Technical Insulation Market, Value Chain Analysis
- FIG 9. Global Technical Insulation Market by Material Type, 2022 & 2032 (USD Million/Billion)
- FIG 10. Global Technical Insulation Market by Application, 2022 & 2032 (USD Million/Billion)
- FIG 11. Global Technical Insulation Market by End Use Industry, 2022 & 2032 (USD Million/Billion)
- FIG 12. Global Technical Insulation Market by Material Type, 2022 & 2032 (USD Million/Billion)
- FIG 13. Global Technical Insulation Market by Application, 2022 & 2032 (USD Million/Billion)
- FIG 14. Global Technical Insulation Market, Regional Snapshot 2022 & 2032
- FIG 15. North America Technical Insulation Market 2022 & 2032 (USD Million/Billion)
- FIG 16. Europe Technical Insulation Market 2022 & 2032 (USD Million/Billion)
- FIG 17. Asia Pacific Technical Insulation Market 2022 & 2032 (USD Million/Billion)
- FIG 18. Latin America Technical Insulation Market 2022 & 2032 (USD Million/Billion)
- FIG 19. Middle East & Africa Technical Insulation Market 2022 & 2032 (USD Million/Billion)
- FIG 20. Global Technical Insulation Market, Company Market Share Analysis (2023)

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This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

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