

Acoustic Insulation Market by Material Type (Stone Wool, Glass Wool, Plastic Foam) and End User (Building & Construction, Industrial, Transportation): Global Opportunity Analysis and Industry Forecast, 2014 - 2022

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# Abstracts

Global acoustic insulation market was valued at \$9,878 million in 2015, and is expected to reach \$14,633 million by 2022, supported by a CAGR of 5.9% during the forecast period 2014 to 2022. Acoustic insulation is defined as a method to attenuate, deaden, or control sound and noise levels for environmental improvement and regulatory compliance.

Sound proofing and acoustic insulation materials are used either for noise reduction or noise absorption. Acoustic design is a complex facet of architecture and construction, and it is utilized to manufacture acoustic insulation systems to achieve proper acoustic quality of the buildings. Insulation prevents the transmission of airborne and structural noises between different rooms in a building. The global market for acoustic insulation was estimated to be \$9,878 million in 2015. The market is driven by the increase in health concerns towards noise pollution, rise in stringent noise pollution standards, growth in construction industry, and energy efficiency advantages provided by insulation materials. The market growth is restrained by low awareness on the importance of acoustics in emerging countries and slowdown of construction sector in Europe. The major players profiled in the report are Saint-Gobain SA, Johns Manville, Rockwool International A/S, Owens Corning, Fletcher Insulation, Knauf Gips KG, Trelleborg AB, Paroc Group, Armacell GmbH, and BASF SE.

Other companies operating in the acoustic insulation value chain include DuPont Company, 3M Company, Hutchinson Group, JCW Group, Union Foam SpA, Dow Chemical Company, Insumate Ltd, Kingspan Group, Odenwald Faserplattenwerk GmbH, and STEICO SE.



Segment Overview:

The global market for acoustic insulation is segmented based on material type, end user, and geography. Geographically, the market is analyzed across four regions, namely, North America, Europe, Asia-Pacific, and LAMEA along with their prominent countries. Based on material type, the market is divided into stone wool, glass wool, plastic foam, and others. Plastic foam is the most dominant material type in the acoustic insulation market. It possesses excellent sound absorbing and vibration dampening quality that contribute to higher comfort and safety levels. Acoustic insulation from these materials can reduce noise by around 50% in comparison to traditional materials such as bitumen sheet or fiber belt. Stone wool is estimated to be the fastest growing material type due to its higher efficiency, excellent thermal insulation, easy installation, and super fire resistance.

Based on geography, Europe is the major contributor to the revenue, followed by Asia-Pacific. The dominance of Europe is due to the strict building regulation and large transportation market of the region. The European acoustic insulation market generated \$3,482 million in 2015 and is estimated to reach \$4,795 million by 2022. Rise in Health Concerns: Long-term exposure to noise affects the quality of life and physical health in people, resulting in annoyance and even illness. Residential and commercial spaces are exposed to high noise levels, which can cause physical damage to the ear, lead to stress-related illnesses, and other associated symptoms. Customers globally are protecting their buildings throughacoustic insulation to reduce noise annoyance and the negative health effects. The impact of this factor is presently high and is estimated to remain the same over the forecast period.

Stringent Noise Pollution Standards: The market for acoustic insulation is highly impacted by continuous rise in noise pollution-related standards. The World Health Organization (WHO) has formulated several noise guidelines in buildings in Europe, leading to reviewed effects on environmental noise on the health of people and triggering numerous initiatives and raised awareness in the urban population. The materials utilized for acoustic insulation have certain properties that help newly constructed buildings to meet the prescribed acoustic solutions required by current building regulations. The impact of this factor is presently moderate and is estimated to increase over the forecast period.

Construction Industry Growth: The market for acoustic insulation is influenced by the growing construction sector. Over the last few years, the market for new residential construction, remodeling, and repair activity is on a continuous rise as well as the commercial buildings and industrial sectors. U.S., Canada, and developing markets in



Asia and Africa have shown major growth of construction industry. The building & construction sector offers lucrative growth opportunities over the forecast period. Low Awareness in Developing Regions: Low awareness of acoustic insulation materials in emerging economies and high capital cost of acoustic insulation in building are factors that negatively impact the market. In developing markets such as India, Africa, and other Southeast Asian countries, acoustic insulation is still considered as luxury than a necessity. These markets also show general lack of awareness of acoustics and low awareness of the significant benefits of the most economic insulation. Customers in these countries consider acoustic insulation as only a sound proofing technique, and it is only limited to entertainment rooms in the house. Increase in awareness about acoustics would present growth for this market in these regions.

The study provides an in-depth analysis of the global acoustic insulation market, with current trends and future estimations to elucidate the imminent investment pockets.

The report provides information regarding key drivers, restraints, and opportunities with a detailed impact analysis.

Porter's Five Forces Model illustrates competitiveness of the market by analyzing various parameters such as threat of new entrants, threat of substitutes, strength of the buyers, and strength of the suppliers operating in the market.

The value chain analysis signifies the key intermediaries involved and elaborates their roles and value additions at every stage.

The quantitative analysis of the market from 2014 to 2022 is provided to elaborate the market potential.

ACOUSTIC INSULATION MARKET EGMENTATION: By Material Type

Stone Wool

Glass Wool



Plastic Foam

Others

By End-users

**Building & Construction** 

Residential

Commercial

#### Industrial

## Transportation

Automotive

Aerospace

Marine

Others

BY GEOGRAPHY

North America

U.S.

Canada

Mexico

Europe

Germany



UK

France

Italy

Rest of Europe

#### Asia-Pacific

China

Japan

South Korea

Australia

**Rest of Asia-Pacific** 

## LAMEA

Latin America

Middle East

Africa

Key companies profiled in the report

Johns Manville

Rockwool International A/S

**Owens Corning** 

**Fletcher Insulation** 

Acoustic Insulation Market by Material Type (Stone Wool, Glass Wool, Plastic Foam) and End User (Building & Co...



Knauf Gips KG

Trelleborg AB

Saint-Gobain S.A.

Paroc Group Oy

Armacell GmbH

BASF SE

### Other players mentioned in the report

Industrial Insulation Group (IIG)

**Cabot Corporation** 

Thermafiber Inc.

Aerogel Technologies

Radial Engineering Ltd

Auralex Acoustics Inc.

Beautex Industries Pvt Ltd

Mecen IPC Co., Ltd

**CSR Building Products** 

CertainTeed Corporation



# Contents

# CHAPTER 1 INTRODUCTION

- 1.1 Report description
- 1.2 Key benefits
- 1.3 Market segmentation
- 1.4 Research methodology
- 1.4.1 Secondary research
- 1.4.2 Primary research
- 1.4.3 Analyst tools and models

## **CHAPTER 2 EXECUTIVE SUMMARY**

2.1 CXO perspective

## **CHAPTER 3 MARKET OVERVIEW**

- 3.1. Market definition and scope
  - 3.1.1 Key findings
    - 3.1.2.1 Top investment pockets
    - 3.1.2.2 Top impacting factors
  - 3.1.2.3 Top winning strategies
- 3.2 Porters five forces analysis
- 3.2.1 Moderate bargaining power of suppliers due to low product differentiation and low switching cost
- 3.2.2 High bargaining power of buyers due to good product knowledge and low switching cost
- 3.2.3 Low threat of substitutes due to non-profitable substitutes
- 3.2.4 Low threat of new entrants due to high entry barrier
- 3.2.5 High competition among rivalries due to large number of competitors & high exit barrier
- 3.3 Value chain analysis
- 3.4 Market share analysis, 2015
- 3.5 Market dynamics
  - 3.5.1 Drivers
    - 3.5.1.1 Rising health concerns due to noise pollution
  - 3.5.1.2 Stringent regulations
  - 3.5.1.3 Growing construction industry



- 3.5.1.4 Energy efficiency
- 3.5.1.5 Increasing adoption in transportation
- 3.5.2 Restraints
  - 3.5.2.1 Low awareness in emerging countries
  - 3.5.2.2 Slowdown in european construction sector
- 3.5.3 Opportunities
  - 3.5.3.1 Growing aerospace industry
  - 3.5.3.2 Growing automotive industry
  - 3.5.3.3 Aerogel: as insulating material

# **CHAPTER 4 ACOUSTIC INSULATION MARKET, BY MATERIAL TYPE**

- 4.1 Overview
- 4.1.1 Market segment and forecast
- 4.2 Stone wool
- 4.2.1 Key market trends
- 4.2.2 Key drivers and opportunities
- 4.2.3 Market size and forecast
- 4.3 Glass wool
  - 4.3.1 Key market trends
  - 4.3.2 Key drivers and opportunities
- 4.3.3 Market size and forecast
- 4.4 Plastic foam
  - 4.4.1 Key market trends
  - 4.4.2 Key drivers and opportunities
- 4.4.3 Market size and forecast
- 4.5 Others (cotton wool, slag wool, aerogel)
  - 4.5.1 Key market trends
  - 4.5.2 Key drivers and opportunities
- 4.5.3 Market size and forecast

# CHAPTER 5 ACOUSTIC INSUALTION MARKET, BY END-USER

- 5.1 Overview
  - 5.1.1 Market size and forecast
- 5.2 Building & construction
  - 5.2.1 Market size and forecast
- 5.3 Industrial
  - 5.3.1 Market size and forecast



#### 5.4 Transportation

5.4.1 Market size and forecast

## CHAPTER 6 ACOUSTIC INSULATION MARKET, BY GEOGRAPHY

- 6.1 Overview
- 6.2 North America
  - 6.2.1 Key market trends
  - 6.2.2 Key drivers and opportunities
  - 6.2.3 Market size and forecast
    - 6.2.3.1 U.S
    - 6.2.3.2 Canada
    - 6.2.3.3 Mexico
- 6.3 Europe
  - 6.3.1 Key market trends
  - 6.3.2 Key drivers and opportunities
  - 6.3.3 Market size and forecast
  - 6.3.3.1 Germany
  - 6.3.3.2 U.K
  - 6.3.3.3 France
  - 6.3.3.4 Italy
  - 6.3.3.5 Rest of Europe
- 6.4 Asia-Pacific
  - 6.4.1 Key market trends
  - 6.4.2 Key drivers and opportunities
  - 6.4.3 Market size and forecast
    - 6.4.3.1 China
    - 6.4.3.2 Japan
    - 6.4.3.3 South Korea
    - 6.4.3.4 Australia
    - 6.4.3.5 Rest of Asia-Pacific
- 6.5 LAMEA
  - 6.5.1 Key market trends
  - 6.5.2 Key drivers and opportunities
  - 6.5.3 Market size and forecast
  - 6.5.3.1 Latin America
  - 6.5.3.2 Middle East
  - 6.5.3.3 Africa



# **CHAPTER 7 COMPANY PROFILE**

- 7.1 Johns Manville
  - 7.1.1 Company overview
  - 7.1.2 Operating business segments
  - 7.1.3 Business performance
  - 7.1.4 Strategic moves and developments
- 7.2 Rockwool International A/S
- 7.2.1 Company overview
- 7.2.2 Operating business segments
- 7.2.3 Business performance
- 7.2.4 Strategic moves and developments
- 7.3 Owens Corning
- 7.3.1 Company overview
- 7.3.2 Operating business segments
- 7.3.3 Business performance
- 7.3.4 Strategic moves and developments
- 7.4 Fletcher Insulation
- 7.4.1 Company overview
- 7.4.2 Operating business segments
- 7.4.3 Business performance
- 7.4.4 Strategic moves and developments
- 7.5 Knauf Gips KG
  - 7.5.1 Company overview
  - 7.5.2 Operating business segments
- 7.5.3 Strategic moves and developments
- 7.6 Trelleborg AB
  - 7.6.1 Company overview
- 7.6.2 Operating business segments
- 7.6.3 Business performance
- 7.6.4 Strategic moves and developments
- 7.7 Saint-Gobain S.A.
  - 7.7.1 Company overview
- 7.7.2 Operating business segments
- 7.7.3 Business performance
- 7.7.4 Strategic moves and developments
- 7.8 Paroc Group Oy
  - 7.8.1 Company overview
  - 7.8.2 Operating business segments



- 7.8.3 Business performance
- 7.8.4 Strategic moves and developments
- 7.9 Armacell GmbH
  - 7.9.1 Company overview
  - 7.9.2 Operating business segments
  - 7.9.3 Business performance
  - 7.9.4 Strategic moves and developments

## 7.10 BASF SE

- 7.10.1 Company overview
- 7.10.2 Operating business segments
- 7.10.3 Business performance
- 7.10.4 Strategic moves and developments





# **List Of Tables**

## LIST OF TABLES

TABLE 1 WORLD ACOUSTIC INSULATION MARKET REVENUE, BY GEOGRAPHY, 2014 2022 (\$MILLION)

TABLE 2 WORLD ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

TABLE 3 STONE WOOL ACOUSTIC INSULATION MARKET REVENUE BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 4 GLASS WOOL ACOUSTIC INSULATION MARKET REVENUE BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 5 PLASTIC FOAM ACOUSTIC INSULATION MARKET REVENUE BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 6 OTHER ACOUSTIC INSULATION MATERIAL MARKET REVENUE BY GEOGRAPHY, 2014-2022 (\$MILLION)

TABLE 7 WORLD ACOUSTIC INSULATION MARKET REVENUE, BY END-USER, 20142022 (\$MILLION)

TABLE 8 BUILDING & CONSTRUCTION ACOUSTIC INSULATION MARKET REVENUE, 20142022 (\$MILLION)

TABLE 9 BUILDING & CONSTRUCTION ACOUSTIC INSULATION MARKET REVENUE, BY GEOGRAPHY, 20142022 (\$MILLION)

TABLE 10 INDUSTRIAL ACOUSTIC INSULATION MARKET REVENUE, BY GEOGRAPHY, 20142022 (\$MILLION)

TABLE 11 TRANSPORTATION ACOUSTIC INSULATION MARKET REVENUE, BY TYPE, 20142022 (\$MILLION)

TABLE 12 TRANSPORTATION ACOUSTIC INSULATION MARKET REVENUE, BY GEOGRAPHY, 20142022 (\$MILLION)

TABLE 13 NORTH AMERICA ACOUSTIC INSULATION MARKET BY COUNTRY, 2014-2022 (\$MILLION)

TABLE 14 NORTH AMERICA ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

TABLE 15 NORTH AMERICA ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION)

TABLE 16 EUROPE ACOUSTIC INSULATION MARKET BY COUNTRY, 2014-2022 (\$MILLION)

TABLE 17 EUROPE ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

TABLE 18 EUROPE ACOUSTIC INSULATION MARKET REVENUE BY END USER,



2014-2022 (\$MILLION) TABLE 19 ASIA-PACIFIC ACOUSTIC INSULATION MARKET BY COUNTRY, 2014-2022 (\$MILLION) TABLE 20 ASIA-PACIFIC ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION) TABLE 21 ASIA-PACIFIC ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION) TABLE 22 LAMEA ACOUSTIC INSULATION MARKET BY REGION, 2014-2022 (\$MILLION) TABLE 23 LAMEA ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION) TABLE 24 LAMEA ACOUSTIC INSULATION MARKET REVENUE BY END USER. 2014-2022 (\$MILLION) TABLE 25 JOHNS MANVILLECOMPANY SNAPSHOT TABLE 26 JOHNS MANVILLEOPERATING BUSINESS SEGMENTS TABLE 27 ROCKWOOL INTERNATIONAL A/SCOMPANY SNAPSHOT TABLE 28 ROCKWOOL INTERNATIONAL A/SOPERATING BUSINESS SEGMENTS TABLE 29 OWENS CORNINGCOMPANY SNAPSHOT TABLE 30 OWENS CORNINGOPERATING BUSINESS SEGMENTS TABLE 31 FLETCHER BUILDING GROUPCOMPANY SNAPSHOT TABLE 32 FLETCHER BUILDING GROUPOPERATING BUSINESS SEGMENTS TABLE 33 KNAUF GIPS KGCOMPANY SNAPSHOT TABLE 34 KNAUF GIPS KGOPERATING BUSINESS SEGMENTS TABLE 35 TRELLEBORG ABCOMPANY SNAPSHOT TABLE 36 TRELLEBORG ABOPERATING BUSINESS SEGMENTS TABLE 37 SAINT-GOBAIN S.A.COMPANY SNAPSHOT TABLE 38 SAINT-GOBAIN S.A.OPERATING BUSINESS SEGMENTS **TABLE 39 PAROC GROUP.COMPANY SNAPSHOT** TABLE 40 PAROC GROUPOPERATING BUSINESS SEGMENTS TABLE 41 ARMACELL GMBHCOMPANY SNAPSHOT TABLE 42 ARMACELL GMBHOPERATING BUSINESS SEGMENTS TABLE 43 BASF SECOMPANY SNAPSHOT TABLE 44 BASF SEOPERATING BUSINESS SEGMENTS





# **List Of Figures**

## LIST OF FIGURES

FIG. 1 TOP INVESTMENT POCKETS OF ACOUSTIC INSULATION MARKET

FIG. 2 TOP IMPACTING FACTORS OF ACOUSTIC INSULATION MARKET

FIG. 3 TOP WINNING STRATEGIES (%), 2013-2016

FIG. 4 TOP WINNING STRATEGIES, BY COMPANY (%), 2013-2016

FIG. 5 PORTERS FIVE FORCES ANALYSIS

FIG. 6 VALUE CHAIN ANALYSIS OF ACOUSTIC INSULATION MARKET

FIG. 7 MARKET SHARE ANALYSIS, 2015 (%)

FIG. 8 COMPARATIVE MARKET SHARE ANALYSIS OF WORLD ACOUSTIC INSULATION MARKET BY MATERIAL TYPE, 2015 & 2022 (%)

FIG. 9 COMPARATIVE REGIONAL MARKET SHARE ANALYSIS OF STONE WOOL ACOUSTIC INSULATION MATERIAL MARKET, 2015 & 2022 (%)

FIG. 10 WORLD STONE WOOL ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 11 STONE WOOL ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY GEOGRAPHY, 2014-2022 (%)

FIG. 12 COMPARATIVE REGIONAL MARKET SHARE ANALYSIS OF WORLD GLASS WOOL ACOUSTIC INSULATION MATERIAL MARKET, 2015 & 2022 (%)

FIG. 13 WORLD GLASS WOOL ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 14 GLASS WOOL ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY GEOGRAPHY, 2014-2022 (%)

FIG. 15 COMPARATIVE REGIONAL MARKET SHARE ANALYSIS OF WORLD PLASTIC FOAM ACOUSTIC INSULATION MATERIAL MARKET, 2015 & 2022 (%) FIG. 16 WORLD PLASTIC FOAM ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 17 PLASTIC FOAM ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY GEOGRAPHY, 2014-2022 (%)

FIG. 18 COMPARATIVE REGIONAL MARKET SHARE ANALYSIS OF WORLD OTHERS ACOUSTIC INSULATION MATERIAL MARKET, 2015 & 2022 (%) FIG. 19 WORLD OTHER ACOUSTIC INSULATION MATERIAL MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 20 OTHER ACOUSTIC INSULATION MATERIAL MARKET SHARE ANALYSIS BY GEOGRAPHY, 2014-2022 (%)

FIG. 21 COMPARATIVE MARKET SHARE ANALYSIS OF WORLD ACOUSTIC INSULATION MARKET BY END-USER SEGMENT, 2015 & 2022 (%)



FIG. 22 WORLD BUILDING & CONSTRUCTION ACOUSTIC INSULATION MARKET, BY GEOGRAPHY, 2014-2022 (% SHARE)

FIG. 23 WORLD INDUSTRIAL ACOUSTIC INSULATION MARKET, BY GEOGRAPHY, 2014-2022 (% SHARE)

FIG. 24 WORLD TRANSPORTATION ACOUSTIC INSULATION MARKET, BY GEOGRAPHY, 2014-2022 (% SHARE)

FIG. 25 COMPARATIVE MARKET SHARE ANALYSIS OF WORLD ACOUSTIC INSULATION MARKET BY REGION, 2015 & 2022 (%)

FIG. 26 COMPARATIVE MATERIAL TYPE MARKET SHARE ANALYSIS OF NORTH AMERICA ACOUSTIC INSULATION MARKET, 2015 & 2022 (%)

FIG. 27 NORTH AMERICA ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

FIG. 28 NORTH AMERICA ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY MATERIAL TYPE, 2014-2022 (%)

FIG. 29 NORTH AMERICA ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION)

FIG. 30 NORTH AMERICA ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY END USER, 2014-2022 (%)

FIG. 31 U.S. ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION) FIG. 32 CANADA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 33 MEXICO ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 34 COMPARATIVE MATERIAL TYPE MARKET SHARE ANALYSIS OF EUROPE ACOUSTIC INSULATION MARKET, 2015 & 2022 (%)

FIG. 35 EUROPE ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

FIG. 36 EUROPE ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY MATERIAL TYPE, 2014-2022 (%)

FIG. 37 EUROPE ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION)

FIG. 38 EUROPE ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY END USER, 2014-2022 (%)

FIG. 39 GERMANY ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 40 U.K. ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION) FIG. 41 FRANCE ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 42 ITALY ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)



FIG. 43 REST OF EUROPE ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 44 COMPARATIVE MATERIAL TYPE MARKET SHARE ANALYSIS OF ASIA-PACIFIC ACOUSTIC INSULATION MARKET, 2015 & 2022 (%)

FIG. 45 ASIA-PACIFIC ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

FIG. 46 ASIA-PACIFIC ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY MATERIAL TYPE, 2014-2022 (%)

FIG. 47 ASIA-PACIFIC ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION)

FIG. 48 ASIA-PACIFIC ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY END USER, 2014-2022 (%)

FIG. 49 CHINA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION) FIG. 50 JAPAN ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION) FIG. 51 SOUTH KOREA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 52 AUSTRALIA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 53 REST OF ASIA-PACIFIC ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 54 COMPARATIVE MATERIAL TYPE MARKET SHARE ANALYSIS OF LAMEA ACOUSTIC INSULATION MARKET, 2015 & 2022 (%)

FIG. 55 LAMEA ACOUSTIC INSULATION MARKET REVENUE BY MATERIAL TYPE, 2014-2022 (\$MILLION)

FIG. 56 LAMEA ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY MATERIAL TYPE, 2014-2022 (%)

FIG. 57 LAMEA ACOUSTIC INSULATION MARKET REVENUE BY END USER, 2014-2022 (\$MILLION)

FIG. 58 LAMEA ACOUSTIC INSULATION MARKET SHARE ANALYSIS BY END USER, 2014-2022 (%)

FIG. 59 LATIN AMERICA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 60 MIDDLE EAST ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 61 AFRICA ACOUSTIC INSULATION MARKET REVENUE, 2014-2022 (\$MILLION)

FIG. 62 JOHNS MANVILLE: REVENUE, BY SEGMENT, 2015 (%)

FIG. 63 ROCKWOOL INTERNATIONAL A/S: REVENUE, 20132015 (\$MILLION) FIG. 64 ROCKWOOL INTERNATIONAL A/S: REVENUE, BY GEOGRAPHY, 2015 (%)



FIG. 65 OWENS CORNING: REVENUE, 20132015 (\$MILLION) FIG. 66 OWENS CORNING: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 67 OWENS CORNING: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 68 FLETCHER BUILDING GROUP: REVENUE, 20132016 (\$MILLION) FIG. 69 FLETCHER BUILDING GROUP: REVENUE, BY SEGMENT, 2016 (%) FIG. 70 FLETCHER BUILDING LTD: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 71 TRELLEBORG AB: REVENUE, 20132016 (\$MILLION) FIG. 72 TRELLEBORG AB: REVENUE, BY SEGMENT, 2016 (%) FIG. 73 TRELLEBORG AB: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 74 SAINT-GOBAIN S.A.: REVENUE, 20132015 (\$MILLION) FIG. 75 SAINT-GOBAIN S.A.: REVENUE, BY SEGMENT, 2016 (%) FIG. 76 SAINT-GOBAIN S.A.: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 77 PAROC GROUP: REVENUE, 20132015 (\$MILLION) FIG. 78 PAROC GROUP SA: REVENUE, BY SEGMENT, 2015 (%) FIG. 79 PAROC GROUP: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 80 ARMACELL GMBH: REVENUE, 20132015 (\$MILLION) FIG. 81 ARMACELL GMBH: REVENUE, BY SEGMENT, 2015 (%) FIG. 82 ARMACELL GMBH: REVENUE, BY GEOGRAPHY, 2015 (%) FIG. 83 BASF SE: REVENUE, 20132015 (\$BILLION) FIG. 84 BASF SE, BY BUSINESS SEGMENT, 2015 (%) FIG. 85 BASF SE REVENUE, BY REGION, 2015 (%)



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