

Pipe Insulation Market by Material Type (Rockwool, Fiberglass, PUR & PIR foam, Elastomeric foam), Application (Industrial, Oil, District Energy Systems, Building & Construction), and Region (North America, Europe, APAC, MEA, RoW) - Global Forecast to 2027

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Report description:

The global pipe insulation market will grow to USD 2.6 Billion by 2027, at a CAGR of 3.8% from USD 2.2 Billion in 2022. Pipe insulation is composed of materials or a combination of materials, which adds a protective covering to pipes and reduces the heat loss or heat gain from surfaces operating at temperatures above or below the surrounding temperatures. It prevents the formation of condensation on pipework, and thus acts as a protective barrier against moisture, which can build up inside a pipe, leading to various types of corrosion. The pipe insulation is used in many applications such as industrial, oil, district energy systems, building & construction, and others. Based on material type, the pipe insulation market is segmented into rockwool, fiberglass, polyurethane (PUR) & polyisocyanurate (PIR) foam, fiberglass, elastomeric foam, and others. The major drivers of the pipe insulation market are the growth in oil and gas demand, development of green buildings, stringent regulatory environment, and reduction in energy consumption and its related cost. Availability of green insulation material creates an opportunity for the manufacturers of pipe insulation. On the other hand, volatile prices of plastic foams is a key restraint for the market, and corrosion under insulation is a challenge for the manufacturers leading to health and safety related incidents

"Rockwool material type is projected to be the fastest-growing type of pipe insulation market during the forecast period." Rockwool is a naturally renewable and sustainable material. It is used in pipes for a maximum temperature of 620°C as it is fire resistant. It has high compression resistance and can fit properly in a pipe section. Rockwool helps to maintain optimal temperatures of both hot & cold pipes. It helps in condensation control. It is a noise dampener and thus is used in the acoustic insulation systems.

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"Industrial application is estimated to be the largest application in pipe insulation market, in terms of value, in 2021"

Insulation increases efficiency and performance of industrial processes or plants. A well-insulated industrial plant provides minimum energy consumption and maximum durability of the plant's equipment. In industrial pipelines, high compressive strength insulation is used to maintain nominal thickness during and after installation of the insulation. Low thermal conductivity, low water absorption, effective noise reduction, and corrosion resistance are the other properties of insulation materials required for industrial insulation.

"Asia Pacific is estimated to be the second-largest pipe insulation market, in terms of value, in 2021"

Asia Pacific was the largest pipe insulation market in 2021. This segment covers China, Japan, India, Indonesia, Australia, Malaysia, South Korea and Rest of Asia Pacific, including Taiwan, Singapore, Philippines, Nepal, Myanmar, Thailand, Vietnam, Sri Lanka, Pakistan, and Bangladesh. The increasing population in the region, accompanied by the development of new technologies and products, is projected to make this region an ideal destination for the pipe insulation industry to grow. Improved lifestyle, increasing income, and growing population help develop the pipe insulation market in developing regions. However, industry players face challenges in setting up new plants, implementing new technologies, and creating a supply chain between raw material providers and manufacturing industries in developing countries of Asia Pacific.

Breakdown of primaries

The study contains insights from various industry experts, ranging from raw material suppliers to Tier 1 companies. The break-up of the primaries is as follows:

- By Company Type: Tier 1 - 46%, Tier 2 - 31%, and Tier 3 - 23%
- By Designation: C-Level - 46%, Director Level - 27%, and Others - 27%
- By Region: North America - 33%, Europe - 27%, APAC - 27%, South America - 7%, Middle East & Africa - 6%

The key market players profiled in the report include Saint-Gobain S.A. (France), BASF S E (Germany), Johns Manville (US), Owens Corning (US), Kingspan Group PLC (UK), Rockwool A/S (Denmark), Covestro AG (Germany), Huntsman Corporation (US), Armacell (Luxembourg) and Knauf Insulation (US) and others.

Research Coverage

This report segments the market for pipe insulation is based on material type, application, and region, and provides estimations for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, associated with the market for pipe insulation.

Reasons to Buy this Report

This research report is focused on various levels of analysis - industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the pipe insulation market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on pipe insulation offered by top players in the global market
- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for pipe insulation across regions
- Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global pipe insulation market
- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the pipe insulation market

Table of Contents:

1□INTRODUCTION□31

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1.1	STUDY OBJECTIVES	31
1.2	MARKET DEFINITION	31
1.2.1	PIPE INSULATION MARKET: INCLUSIONS & EXCLUSIONS	31
1.2.2	PIPE INSULATION MARKET DEFINITION AND INCLUSIONS, BY MATERIAL TYPE	32
1.2.3	PIPE INSULATION MARKET DEFINITION AND INCLUSIONS, BY APPLICATION	32
1.3	MARKET SCOPE	33
FIGURE 1	PIPE INSULATION MARKET SEGMENTATION	33
1.3.1	REGIONS COVERED	33
1.3.2	YEARS CONSIDERED	34
1.4	CURRENCY CONSIDERED	34
1.5	STAKEHOLDERS	34
1.6	SUMMARY OF CHANGES	35
2	RESEARCH METHODOLOGY	36
2.1	RESEARCH DATA	36
FIGURE 2	PIPE INSULATION MARKET: RESEARCH DESIGN	36
2.1.1	SECONDARY DATA	37
2.1.2	PRIMARY DATA	37
2.1.2.1	Primary interviews - demand and supply sides	37
2.1.2.2	Key industry insights	38
2.1.2.3	Breakdown of primary interviews	38
2.2	MARKET SIZE ESTIMATION	39
2.2.1	BOTTOM-UP APPROACH	39
FIGURE 3	MARKET SIZE ESTIMATION METHODOLOGY OF COLLECTIVE REVENUE OF COMPANIES: APPROACH 1 (SUPPLY SIDE)	39
FIGURE 4	MARKET SIZE ESTIMATION METHODOLOGY OF COLLECTIVE REVENUE OF ALL PRODUCTS: APPROACH 1 BOTTOM-UP (SUPPLY SIDE)	40
FIGURE 5	MARKET SIZE ESTIMATION METHODOLOGY OF PRODUCTS SOLD: APPROACH 2 - BOTTOM-UP (DEMAND SIDE)	40
2.2.2	TOP-DOWN APPROACH	41
FIGURE 6	MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 3 - TOP-DOWN	41
2.3	DATA TRIANGULATION	41
FIGURE 7	PIPE INSULATION MARKET: DATA TRIANGULATION	42
2.4	GROWTH RATE ASSUMPTIONS/GROWTH FORECASTS	42
2.4.1	SUPPLY SIDE	43
FIGURE 8	MARKET CAGR PROJECTIONS FROM SUPPLY SIDE	43
2.4.2	DEMAND SIDE	43
FIGURE 9	MARKET GROWTH PROJECTIONS FROM DEMAND-SIDE DRIVERS AND OPPORTUNITIES	43
2.5	FACTOR ANALYSIS	44
2.6	RESEARCH ASSUMPTIONS	45
2.7	RESEARCH LIMITATIONS	45
2.8	RISK ASSESSMENT	45
TABLE 1	PIPE INSULATION MARKET: RISK ASSESSMENT	45
3	EXECUTIVE SUMMARY	46
FIGURE 10	ROCKWOOL LED PIPE INSULATION MARKET IN 2021	46
FIGURE 11	DISTRICT ENERGY SYSTEMS TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD	47
FIGURE 12	ASIA PACIFIC ACCOUNTED FOR LARGEST MARKET SHARE IN 2021	47
4	PREMIUM INSIGHTS	49
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN PIPE INSULATION MARKET	49
FIGURE 13	GROWING DISTRICT ENERGY SYSTEMS APPLICATION TO DRIVE PIPE INSULATION MARKET DURING FORECAST PERIOD	49

4.2	PIPE INSULATION MARKET SIZE, BY REGION	49
	FIGURE 14 ASIA PACIFIC TO BE LARGEST MARKET FOR PIPE INSULATION DURING FORECAST PERIOD	49
4.3	ASIA PACIFIC: PIPE INSULATION MARKET, BY MATERIAL TYPE AND COUNTRY, 2021	50
	FIGURE 15 CHINA AND PU & PIR FOAM MATERIAL ACCOUNTED FOR LARGEST SHARES	50
4.4	PIPE INSULATION MARKET SIZE, APPLICATION VS. REGION	50
	FIGURE 16 INDUSTRIAL SEGMENT LED PIPE INSULATION MARKET IN MOST REGIONS	50
4.5	PIPE INSULATION MARKET, BY KEY COUNTRIES	51
	FIGURE 17 POLAND TO REGISTER HIGHEST CAGR BETWEEN 2022 AND 2027	51
5	MARKET OVERVIEW	52
5.1	INTRODUCTION	52
5.2	MARKET DYNAMICS	52
	FIGURE 18 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN PIPE INSULATION MARKET	52
5.2.1	DRIVERS	53
5.2.1.1	Growth in oil & gas demand	53
	FIGURE 19 NATURAL GAS DEMAND TO DRIVE PIPE INSULATION MARKET	53
5.2.1.2	Development of green buildings	53
	TABLE 2 TOP 10 COUNTRIES & REGIONS FOR LEED GREEN BUILDING, 2021	54
5.2.1.3	Stringent regulatory environment	54
5.2.1.4	Reduction in energy consumption and related cost	55
5.2.2	RESTRAINTS	55
5.2.2.1	Volatile prices of plastic foams	55
5.2.3	OPPORTUNITIES	56
5.2.3.1	Availability of green insulation material	56
5.2.4	CHALLENGES	57
5.2.4.1	Corrosion Under Insulation (CUI) leads to health- and safety-related incidents	57
5.3	PORTER'S FIVE FORCES ANALYSIS	57
	FIGURE 20 PIPE INSULATION MARKET: PORTER'S FIVE FORCES ANALYSIS	57
5.3.1	THREAT OF NEW ENTRANTS	58
5.3.2	THREAT OF SUBSTITUTES	58
5.3.3	BARGAINING POWER OF BUYERS	58
5.3.4	BARGAINING POWER OF SUPPLIERS	58
5.3.5	INTENSITY OF COMPETITIVE RIVALRY	59
	TABLE 3 PIPE INSULATION MARKET: PORTER'S FIVE FORCES ANALYSIS	59
5.4	KEY STAKEHOLDERS & BUYING CRITERIA	59
5.4.1	KEY STAKEHOLDERS IN BUYING PROCESS	59
	FIGURE 21 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS	59
	TABLE 4 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS (%)	60
5.4.2	BUYING CRITERIA	60
	FIGURE 22 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS	60
	TABLE 5 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS	60
5.5	MACROECONOMIC INDICATORS	61
5.5.1	GDP TRENDS AND FORECAST FOR MAJOR ECONOMIES	61
	TABLE 6 GDP TRENDS AND FORECAST OF MAJOR ECONOMIES, 2019-2027 (USD BILLION)	61
6	INDUSTRY TRENDS	62
6.1	SUPPLY CHAIN ANALYSIS	62
	FIGURE 23 PIPE INSULATION MARKET: SUPPLY CHAIN	62
6.1.1	RAW MATERIALS	62

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6.1.2	MANUFACTURERS	62
6.1.3	DISTRIBUTION NETWORK	62
6.1.4	END-USE INDUSTRIES	63
6.2	PIPE INSULATION MARKET: REALISTIC, PESSIMISTIC, OPTIMISTIC, AND NON-COVID-19 SCENARIOS	63
	FIGURE 24	MARKET SIZE UNDER REALISTIC, PESSIMISTIC, OPTIMISTIC, AND NON-COVID-19 SCENARIOS
	TABLE 7	PIPE INSULATION MARKET FORECAST SCENARIO, 2019-2027 (USD MILLION)
6.2.1	NON-COVID-19 SCENARIO	63
6.2.2	OPTIMISTIC SCENARIO	64
6.2.3	PESSIMISTIC SCENARIO	64
6.2.4	REALISTIC SCENARIO	64
6.3	TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS	64
6.3.1	REVENUE SHIFTS & REVENUE POCKETS FOR PIPE INSULATION MARKET	64
	FIGURE 25	REVENUE SHIFT FOR PIPE INSULATION MARKET
6.4	CONNECTED MARKETS: ECOSYSTEM	65
	TABLE 8	PIPE INSULATION MARKET: ECOSYSTEM
	FIGURE 26	PIPE INSULATION: ECOSYSTEM
6.5	TECHNOLOGY ANALYSIS	66
6.5.1	ECOSE TECHNOLOGY	66
	TABLE 9	BENEFITS OF ECOSE TECHNOLOGY
6.5.2	XPS FOAM TECHNOLOGY	67
	TABLE 10	ADVANTAGES OF XPS FOAM TECHNOLOGY
6.5.3	SYNTACTIC FOAM TECHNOLOGY	68
6.6	CASE STUDY ANALYSIS	68
6.6.1	CASE STUDY ON ROCKWOOL INTERNATIONAL A/S	68
6.6.2	CASE STUDY ON KNAUF GIPS KG	68
6.7	TRADE DATA STATISTICS	69
6.7.1	IMPORT SCENARIO OF PIPE INSULATION	69
	FIGURE 27	IMPORT OF PIPE INSULATION, BY KEY COUNTRIES (2016-2021)
	TABLE 11	IMPORT OF PIPE INSULATION, BY REGION, 2016-2021 (USD MILLION)
6.7.2	EXPORT SCENARIO OF PIPE INSULATION	70
	FIGURE 28	EXPORT OF PIPE INSULATION, BY KEY COUNTRIES (2016-2021)
	TABLE 12	EXPORT OF PIPE INSULATION, BY REGION, 2016-2021 (USD MILLION)
6.8	REGULATORY LANDSCAPE	71
6.8.1	REGULATIONS RELATED TO PIPE INSULATION	71
6.9	KEY CONFERENCES & EVENTS IN 2022-2023	72
	TABLE 13	PIPE INSULATION MARKET: DETAILED LIST OF CONFERENCES & EVENTS
6.10	PATENT ANALYSIS	73
6.10.1	APPROACH	73
6.10.2	DOCUMENT TYPE	73
	FIGURE 29	PATENT PUBLICATION TRENDS FOR PIPE INSULATION MARKET, 2011-2021
	FIGURE 30	LEGAL STATUS OF PATENTS
6.10.3	JURISDICTION ANALYSIS	74
	FIGURE 31	MAXIMUM PATENTS FILED BY COMPANIES IN US
6.10.4	TOP APPLICANTS	75
	FIGURE 32	BASF SE REGISTERED MAXIMUM NUMBER OF PATENTS BETWEEN 2011 AND 2021
	TABLE 14	LIST OF A FEW RECENT PATENTS BY BASF SE
	TABLE 15	LIST OF A FEW RECENT PATENTS BY DOW INC.

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TABLE 16 □ LIST OF A FEW RECENT PATENTS BY 3M COMPANY □ 76

TABLE 17 □ TOP 10 PATENT OWNERS IN US, 2011-2021 □ 76

7 □ PIPE INSULATION MARKET, BY MATERIAL TYPE □ 77

7.1 □ INTRODUCTION □ 78

FIGURE 33 □ ROCKWOOL TO BE LARGEST MATERIAL TYPE IN PIPE INSULATION MARKET DURING FORECAST PERIOD □ 78

TABLE 18 □ PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) □ 78

TABLE 19 □ PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) □ 79

7.2 □ ROCKWOOL □ 79

7.2.1 □ SUSTAINABLE INSULATION MATERIAL TO DOMINATE MARKET □ 79

FIGURE 34 □ CENTRAL & EASTERN EUROPE TO WITNESS HIGHEST CAGR IN ROCKWOOL SEGMENT DURING FORECAST PERIOD □ 79

TABLE 20 □ ROCKWOOL: PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) □ 80

TABLE 21 □ ROCKWOOL: PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) □ 80

7.3 □ POLYURETHANE & POLYISOCYANURATE FOAM □ 80

7.3.1 □ MAINLY USED IN COLD INSULATION APPLICATION □ 80

FIGURE 35 □ ASIA PACIFIC TO LEAD PUR & PIR FOAM SEGMENT DURING FORECAST PERIOD □ 81

TABLE 22 □ PUR & PIR FOAM: PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) □ 81

TABLE 23 □ PUR & PIR FOAM: PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) □ 82

7.4 □ FIBERGLASS □ 82

7.4.1 □ MAINLY USED IN COLD PIPE INSULATION APPLICATION □ 82

FIGURE 36 □ NORTH AMERICA TO LEAD FIBERGLASS SEGMENT DURING FORECAST PERIOD □ 82

TABLE 24 □ FIBERGLASS: PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) □ 83

TABLE 25 □ FIBERGLASS: PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) □ 83

7.5 □ ELASTOMERIC FOAM □ 83

7.5.1 □ MAINLY USED IN BUILDING & CONSTRUCTION APPLICATION □ 83

FIGURE 37 □ NORTH AMERICA TO LEAD ELASTOMERIC FOAM SEGMENT DURING FORECAST PERIOD □ 84

TABLE 26 □ ELASTOMERIC FOAM: PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) □ 84

TABLE 27 □ ELASTOMERIC FOAM: PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) □ 85

7.6 □ OTHERS □ 85

7.6.1 □ DISTRICT HEATING SYSTEMS IN RUSSIA AND HUGE PRODUCTION OF CRUDE OIL □ 85

FIGURE 38 □ ASIA PACIFIC TO LEAD OTHER MATERIALS SEGMENT DURING FORECAST PERIOD □ 86

TABLE 28 □ OTHER MATERIALS: PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) □ 86

TABLE 29 □ OTHER MATERIALS: PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) □ 87

8 □ PIPE INSULATION MARKET, BY APPLICATION □ 88

8.1 □ INTRODUCTION □ 89

FIGURE 39 □ DISTRICT ENERGY SYSTEMS TO BE FASTEST-GROWING APPLICATION OF PIPE INSULATION DURING FORECAST PERIOD □ 89

TABLE 30 □ PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) □ 89

TABLE 31 □ PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) □ 90

8.2 □ INDUSTRIAL □ 90

8.2.1 □ NEED FOR ENERGY CONSERVATION IN INDUSTRIAL FACILITIES □ 90

FIGURE 40 □ ASIA PACIFIC TO BE LARGEST PIPE INSULATION MARKET IN INDUSTRIAL APPLICATION □ 90

TABLE 32 □ PIPE INSULATION MARKET SIZE IN INDUSTRIAL APPLICATION, BY REGION, 2016-2020 (USD THOUSAND) □ 91

TABLE 33 □ PIPE INSULATION MARKET SIZE IN INDUSTRIAL APPLICATION, BY REGION, 2021-2027 (USD THOUSAND) □ 91

8.3 □ OIL □ 91

8.3.1 □ HUGE OIL PRODUCTION IN MIDDLE EAST □ 91

FIGURE 41 □ MIDDLE EAST & AFRICA TO BE LARGEST PIPE INSULATION MARKET IN OIL APPLICATION □ 92

TABLE 34 □ PIPE INSULATION MARKET SIZE IN OIL APPLICATION, BY REGION, 2016-2020 (USD THOUSAND) □ 92

TABLE 35 □ PIPE INSULATION MARKET SIZE IN OIL APPLICATION, BY REGION, 2021-2027 (USD THOUSAND) □ 93

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8.4 DISTRICT ENERGY SYSTEMS (DES) 93

8.4.1 TO BE FASTEST-GROWING APPLICATION 93

FIGURE 42 ASIA PACIFIC TO BE LARGEST PIPE INSULATION MARKET IN DISTRICT ENERGY SYSTEMS APPLICATION 93

TABLE 36 PIPE INSULATION MARKET SIZE IN DISTRICT ENERGY SYSTEMS APPLICATION, BY REGION, 2016-2020 (USD THOUSAND) 94

TABLE 37 PIPE INSULATION MARKET SIZE IN DISTRICT ENERGY SYSTEMS APPLICATION, BY REGION, 2021-2027 (USD THOUSAND) 94

8.5 BUILDING & CONSTRUCTION 94

8.5.1 TO SAVE COSTS AND PROVIDE THERMAL COMFORT 94

FIGURE 43 NORTH AMERICA TO BE LARGEST PIPE INSULATION MARKET IN BUILDING & CONSTRUCTION APPLICATION 95

TABLE 38 PIPE INSULATION MARKET SIZE IN BUILDING & CONSTRUCTION APPLICATION, BY REGION, 2016-2020 (USD THOUSAND) 95

TABLE 39 PIPE INSULATION MARKET SIZE IN BUILDING & CONSTRUCTION APPLICATION, BY REGION, 2021-2027 (USD THOUSAND) 96

8.6 OTHERS 96

8.6.1 DEMAND FOR SEABORNE TRADE AND INCREASING POPULATION OF SEAFARERS 96

FIGURE 44 ASIA PACIFIC TO BE LARGEST PIPE INSULATION MARKET IN OTHER APPLICATIONS 96

TABLE 40 PIPE INSULATION MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2016-2020 (USD THOUSAND) 97

TABLE 41 PIPE INSULATION MARKET SIZE IN OTHER APPLICATIONS, BY REGION, 2021-2027 (USD THOUSAND) 97

9 PIPE INSULATION MARKET, BY REGION 98

9.1 INTRODUCTION 99

FIGURE 45 CENTRAL & EASTERN EUROPE TO BE FASTEST-GROWING PIPE INSULATION MARKET BETWEEN 2022 AND 2027 99

TABLE 42 PIPE INSULATION MARKET SIZE, BY REGION, 2016-2020 (USD THOUSAND) 99

TABLE 43 PIPE INSULATION MARKET SIZE, BY REGION, 2021-2027 (USD THOUSAND) 100

9.2 WESTERN EUROPE 100

FIGURE 46 WESTERN EUROPE: PIPE INSULATION MARKET SNAPSHOT 101

9.2.1 WESTERN EUROPE PIPE INSULATION MARKET, BY MATERIAL TYPE 101

TABLE 44 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) 101

TABLE 45 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) 102

9.2.2 WESTERN EUROPE PIPE INSULATION MARKET, BY APPLICATION 102

TABLE 46 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 102

TABLE 47 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 103

9.2.3 WESTERN EUROPE PIPE INSULATION MARKET, BY COUNTRY 103

TABLE 48 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND) 103

TABLE 49 WESTERN EUROPE: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND) 103

9.2.3.1 Germany 104

9.2.3.1.1 Large industrial base and green building labeling systems 104

TABLE 50 GERMANY: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 104

TABLE 51 GERMANY: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 105

9.2.3.2 France 105

9.2.3.2.1 Government regulations and investment in public infrastructure 105

TABLE 52 FRANCE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 105

TABLE 53 FRANCE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 106

9.2.3.3 UK 106

9.2.3.3.1 Green building council and investment in construction 106

TABLE 54 UK: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 106

TABLE 55 UK: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 107

9.2.3.4 Italy 107

9.2.3.4.1 New project finance rules and investment policies 107

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TABLE 56 ITALY: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 107

TABLE 57 ITALY: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 108

9.3 CENTRAL AND EASTERN EUROPE 108

9.3.1 CENTRAL AND EASTERN EUROPE PIPE INSULATION MARKET, BY MATERIAL TYPE 108

TABLE 58 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) 108

TABLE 59 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) 109

9.3.2 CENTRAL AND EASTERN EUROPE PIPE INSULATION MARKET, BY APPLICATION 109

TABLE 60 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 109

TABLE 61 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 109

9.3.3 CENTRAL AND EASTERN EUROPE PIPE INSULATION MARKET, BY COUNTRY 110

TABLE 62 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND) 110

TABLE 63 CENTRAL AND EASTERN EUROPE: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND) 110

9.3.3.1 Russia 110

9.3.3.1.1 High demand for DES application from domestic market 110

TABLE 64 RUSSIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 111

TABLE 65 RUSSIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 111

9.3.3.2 Poland 111

9.3.3.2.1 Building codes and increasing construction application 111

TABLE 66 POLAND: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 112

TABLE 67 POLAND: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 112

9.4 ASIA PACIFIC 113

FIGURE 47 ASIA PACIFIC: PIPE INSULATION MARKET SNAPSHOT 113

9.4.1 ASIA PACIFIC PIPE INSULATION MARKET, BY MATERIAL TYPE 114

TABLE 68 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) 114

TABLE 69 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) 114

9.4.2 ASIA PACIFIC PIPE INSULATION MARKET, BY APPLICATION 114

TABLE 70 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 114

TABLE 71 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 115

9.4.3 ASIA PACIFIC PIPE INSULATION MARKET, BY COUNTRY 115

TABLE 72 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND) 115

TABLE 73 ASIA PACIFIC: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND) 116

9.4.3.1 China 116

9.4.3.1.1 Mandatory building energy codes for commercial and residential buildings 116

TABLE 74 CHINA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 117

TABLE 75 CHINA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 117

9.4.3.2 Japan 117

9.4.3.2.1 Improved energy consumption performance of buildings 117

TABLE 76 JAPAN: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 117

TABLE 77 JAPAN: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 118

9.4.3.3 India 118

9.4.3.3.1 Industrial application to augment demand 118

TABLE 78 INDIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 118

TABLE 79 INDIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 119

9.4.3.4 Malaysia 119

9.4.3.4.1 Necessity to insulate industrial pipelines 119

TABLE 80 MALAYSIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 119

TABLE 81 MALAYSIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 120

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9.4.3.5 Indonesia 120

9.4.3.5.1 Rise in oil production 120

TABLE 82 INDONESIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 120

TABLE 83 INDONESIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 121

9.4.3.6 Australia 121

9.4.3.6.1 Huge industrial base 121

TABLE 84 AUSTRALIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 121

TABLE 85 AUSTRALIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 122

9.4.3.7 South Korea 122

9.4.3.7.1 Growing construction industry and demand for DES 122

TABLE 86 SOUTH KOREA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 122

TABLE 87 SOUTH KOREA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 123

9.5 North America 123

FIGURE 48 NORTH AMERICA: PIPE INSULATION MARKET SNAPSHOT 124

9.5.1 North America Pipe Insulation Market, by Material Type 124

TABLE 88 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) 124

TABLE 89 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) 125

9.5.2 North America Pipe Insulation Market, by Application 125

TABLE 90 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 125

TABLE 91 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 125

9.5.3 North America Pipe Insulation Market, by Country 126

TABLE 92 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND) 126

TABLE 93 NORTH AMERICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND) 126

9.5.3.1 US 126

9.5.3.1.1 Largest market in North America 126

TABLE 94 US: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 127

TABLE 95 US: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 127

9.5.3.2 Canada 127

9.5.3.2.1 Oil application to drive demand 127

TABLE 96 CANADA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 128

TABLE 97 CANADA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 128

9.5.3.3 Mexico 128

9.5.3.3.1 Mandatory energy efficiency standards 128

TABLE 98 MEXICO: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 129

TABLE 99 MEXICO: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 129

9.6 Middle East & Africa 130

9.6.1 Middle East & Africa Pipe Insulation Market, by Material Type 130

TABLE 100 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND) 130

TABLE 101 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND) 130

9.6.2 Middle East & Africa Pipe Insulation Market, by Application 131

TABLE 102 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND) 131

TABLE 103 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND) 131

9.6.3 Middle East & Africa Pipe Insulation Market, by Country 131

TABLE 104 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND) 131

TABLE 105 MIDDLE EAST & AFRICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND) 132

9.6.3.1 Saudi Arabia 132

9.6.3.1.1 Presence of various energy efficiency programs and increased government spending 132

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TABLE 106	SAUDI ARABIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	132
TABLE 107	SAUDI ARABIA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	133
9.6.3.2	UAE	133
9.6.3.2.1	Existence of mandatory building codes	133
TABLE 108	UAE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	133
TABLE 109	UAE: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	134
9.6.3.3	Iran	134
9.6.3.3.1	DES application to drive market	134
TABLE 110	IRAN: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	134
TABLE 111	IRAN: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	135
9.6.3.4	Kuwait	135
9.6.3.4.1	Oil production to drive demand	135
TABLE 112	KUWAIT: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	135
TABLE 113	KUWAIT: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	136
9.7	SOUTH AMERICA	136
9.7.1	SOUTH AMERICA PIPE INSULATION MARKET, BY MATERIAL TYPE	136
TABLE 114	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2016-2020 (USD THOUSAND)	136
TABLE 115	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY MATERIAL TYPE, 2021-2027 (USD THOUSAND)	137
9.7.2	SOUTH AMERICA PIPE INSULATION MARKET, BY APPLICATION	137
TABLE 116	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	137
TABLE 117	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	137
9.7.3	SOUTH AMERICA PIPE INSULATION MARKET, BY COUNTRY	138
TABLE 118	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2016-2020 (USD THOUSAND)	138
TABLE 119	SOUTH AMERICA: PIPE INSULATION MARKET SIZE, BY COUNTRY, 2021-2027 (USD THOUSAND)	138
9.7.3.1	Brazil	138
9.7.3.1.1	Growing industrialization and urbanization	138
TABLE 120	BRAZIL: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	139
TABLE 121	BRAZIL: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	139
9.7.3.2	Argentina	139
9.7.3.2.1	Demand from the industrial and mining industries	139
TABLE 122	ARGENTINA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2016-2020 (USD THOUSAND)	140
TABLE 123	ARGENTINA: PIPE INSULATION MARKET SIZE, BY APPLICATION, 2021-2027 (USD THOUSAND)	140
10	COMPETITIVE LANDSCAPE	141
10.1	INTRODUCTION	141
10.2	STRATEGIES ADOPTED BY KEY PLAYERS	141
TABLE 124	OVERVIEW OF STRATEGIES ADOPTED BY PIPE INSULATION MANUFACTURERS	141
10.3	MARKET SHARE ANALYSIS	143
10.3.1	RANKING OF KEY MARKET PLAYERS, 2021	143
FIGURE 49	RANKING OF TOP FIVE PLAYERS IN PIPE INSULATION MARKET, 2021	143
10.3.2	MARKET SHARE OF KEY PLAYERS	143
TABLE 125	PIPE INSULATION MARKET: DEGREE OF COMPETITION	144
FIGURE 50	SAINT-GOBAIN S.A.: LEADING PLAYER IN PIPE INSULATION MARKET	144
10.3.2.1	Saint-Gobain SA	144
10.3.2.2	BASF SE	144
10.3.2.3	Johns Manville	145
10.3.2.4	Owens Corning	145
10.3.2.5	Kingspan Group PLC	145

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10.3.3	REVENUE ANALYSIS OF TOP FIVE PLAYERS	145
FIGURE 51	REVENUE ANALYSIS FOR KEY COMPANIES, 2017-2021	145
10.4	COMPANY PRODUCT FOOTPRINT ANALYSIS	146
FIGURE 52	PIPE INSULATION MARKET: OVERALL COMPANY FOOTPRINT	146
TABLE 126	PIPE INSULATION MARKET: MATERIAL TYPE FOOTPRINT	147
TABLE 127	PIPE INSULATION MARKET: APPLICATION FOOTPRINT	148
TABLE 128	PIPE INSULATION MARKET: REGION FOOTPRINT	149
10.5	COMPANY EVALUATION MATRIX (TIER 1)	150
10.5.1	STARS	150
10.5.2	EMERGING LEADERS	150
FIGURE 53	COMPANY EVALUATION QUADRANT FOR PIPE INSULATION MARKET (TIER 1)	150
10.6	COMPETITIVE BENCHMARKING	151
TABLE 129	PIPE INSULATION MARKET: DETAILED LIST OF KEY START-UPS/SMES	151
TABLE 130	PIPE INSULATION MARKET: COMPETITIVE BENCHMARKING OF KEY START-UPS/SMES	151
10.7	START-UPS/SMES EVALUATION QUADRANT	152
10.7.1	RESPONSIVE COMPANIES	152
10.7.2	DYNAMIC COMPANIES	152
10.7.3	STARTING BLOCKS	152
FIGURE 54	START-UPS/SMES EVALUATION QUADRANT FOR PIPE INSULATION MARKET	153
10.8	COMPETITIVE SITUATION AND TRENDS	153
10.8.1	PRODUCT LAUNCHES	153
TABLE 131	PIPE INSULATION MARKET: PRODUCT LAUNCHES (2018-2021)	153
10.8.2	DEALS	154
TABLE 132	PIPE INSULATION MARKET: DEALS (2018-2022)	154
10.8.3	OTHER DEVELOPMENTS	156
TABLE 133	PIPE INSULATION MARKET: EXPANSIONS, INVESTMENTS, AND INNOVATIONS (2018- 2022)	156
11	COMPANY PROFILES	158
11.1	MAJOR PLAYERS	158
	(Business overview, Products offered, Recent developments, Deals, Other developments, MnM view, Key strengths, Strategic choices, and Weaknesses and competitive threats)*	
11.1.1	SAINT-GOBAIN S.A.	158
FIGURE 55	SAINT-GOBAIN S.A.: COMPANY SNAPSHOT	158
TABLE 134	SAINT-GOBAIN S.A.: COMPANY OVERVIEW	159
11.1.2	BASF SE	161
FIGURE 56	BASF SE: COMPANY SNAPSHOT	161
TABLE 135	BASF SE: COMPANY OVERVIEW	162
11.1.3	ROCKWOOL A/S	163
FIGURE 57	ROCKWOOL A/S: COMPANY SNAPSHOT	163
TABLE 136	ROCKWOOL A/S: COMPANY OVERVIEW	164
11.1.4	COVESTRO AG	167
FIGURE 58	COVESTRO AG: COMPANY SNAPSHOT	167
TABLE 137	COVESTRO AG: COMPANY OVERVIEW	168
11.1.5	OWENS CORNING	170
FIGURE 59	OWENS CORNING: COMPANY SNAPSHOT	170
TABLE 138	OWENS CORNING: COMPANY OVERVIEW	171
11.1.6	HUNTSMAN CORPORATION	174
FIGURE 60	HUNTSMAN CORPORATION: COMPANY SNAPSHOT	174

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TABLE 139	HUNTSMAN CORPORATION: COMPANY OVERVIEW	175
11.1.7	KINGSPAN GROUP PLC	177
FIGURE 61	KINGSPAN GROUP PLC: COMPANY SNAPSHOT	177
TABLE 140	KINGSPAN GROUP PLC.: COMPANY OVERVIEW	178
11.1.8	ARMACELL	180
FIGURE 62	ARMACELL: COMPANY SNAPSHOT	180
TABLE 141	ARMACELL: COMPANY OVERVIEW	181
11.1.9	JOHNS MANVILLE	184
TABLE 142	JOHNS MANVILLE: COMPANY OVERVIEW	184
11.1.10	KNAUF INSULATION	186
TABLE 143	KNAUF INSULATION: COMPANY OVERVIEW	186
11.2	OTHER KEY MARKET PLAYERS	188
11.2.1	L'ISOLANTE K-FLEX S.P.A.	188
TABLE 144	L'ISOLANTE K-FLEX S.P.A.: COMPANY OVERVIEW	188
11.2.2	MORGAN ADVANCED MATERIALS LLC	188
TABLE 145	MORGAN ADVANCED MATERIALS LLC: COMPANY OVERVIEW	188
11.2.3	NUTEC FIBRATEC	189
TABLE 146	NUTEC FIBRATEC: COMPANY OVERVIEW	189
11.2.4	WINCELL INSULATION	189
TABLE 147	WINCELL INSULATION: COMPANY OVERVIEW	189
11.2.5	NMC INTERNATIONAL SA	190
TABLE 148	NMC INTERNATIONAL SA: COMPANY OVERVIEW	190
11.2.6	ODE INSULATION	190
TABLE 149	ODE INSULATION: COMPANY OVERVIEW	190
11.2.7	GILSULATE INTERNATIONAL, INC.	191
TABLE 150	GILSULATE INTERNATIONAL, INC.: COMPANY OVERVIEW	191
11.2.8	SEKISUI FOAM AUSTRALIA	191
TABLE 151	SEKISUI FOAM AUSTRALIA: COMPANY OVERVIEW	191
11.2.9	HUAMEI ENERGY-SAVING TECHNOLOGY GROUP CO., LTD	192
TABLE 152	HUAMEI ENERGY-SAVING TECHNOLOGY GROUP CO., LTD: COMPANY OVERVIEW	192
11.2.10	DOW IZOLAN	192
TABLE 153	DOW IZOLAN: COMPANY OVERVIEW	192
11.2.11	CELLOFOAM INTERNATIONAL GMBH & CO. KG	193
TABLE 154	CELLOFOAM INTERNATIONAL GMBH & CO. KG: COMPANY OVERVIEW	193
11.2.12	GREAT LAKES TEXTILES	193
TABLE 155	GREAT LAKES TEXTILES: COMPANY OVERVIEW	193
11.2.13	GULF COOL THERM FACTORY LLC	194
TABLE 156	GULF COOL THERM FACTORY LLC: COMPANY OVERVIEW	194

*Details on Business overview, Products offered, Recent developments, Deals, Other developments, MnM view, Key strengths, Strategic choices, and Weaknesses and competitive threats might not be captured in case of unlisted companies.

12	ADJACENT & RELATED MARKETS	195
12.1	INTRODUCTION	195
12.2	LIMITATIONS	195
12.3	INDUSTRIAL INSULATION MARKET	195
12.3.1	MARKET DEFINITION	195
12.3.2	MARKET OVERVIEW	195
12.4	INDUSTRIAL INSULATION MARKET, BY REGION	196

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TABLE 157 □ INDUSTRIAL INSULATION MARKET SIZE, BY REGION, 2017-2024 (USD MILLION) □ 196

12.4.1 □ NORTH AMERICA □ 196

TABLE 158 □ NORTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY COUNTRY, 2017-2024 (USD MILLION) □ 196

TABLE 159 □ NORTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY MATERIAL, 2017-2024 (USD MILLION) □ 197

TABLE 160 □ NORTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2017-2024 (USD MILLION) □ 197

12.4.2 □ EUROPE □ 197

TABLE 161 □ EUROPE: INDUSTRIAL INSULATION MARKET SIZE, BY COUNTRY, 2017-2024 (USD MILLION) □ 198

TABLE 162 □ EUROPE: INDUSTRIAL INSULATION MARKET SIZE, BY MATERIAL, 2017-2024 (USD MILLION) □ 198

TABLE 163 □ EUROPE: INDUSTRIAL INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2017-2024 (USD MILLION) □ 198

12.4.3 □ ASIA PACIFIC □ 199

TABLE 164 □ ASIA PACIFIC: INDUSTRIAL INSULATION MARKET SIZE, BY COUNTRY, 2017-2024 (USD MILLION) □ 199

TABLE 165 □ ASIA PACIFIC: INDUSTRIAL INSULATION MARKET SIZE, BY MATERIAL, 2017-2024 (USD MILLION) □ 199

TABLE 166 □ ASIA PACIFIC: INDUSTRIAL INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2017-2024 (USD MILLION) □ 200

12.4.4 □ MIDDLE EAST & AFRICA □ 200

TABLE 167 □ MIDDLE EAST & AFRICA: INDUSTRIAL INSULATION MARKET SIZE, BY COUNTRY, 2017-2024 (USD MILLION) □ 200

TABLE 168 □ MIDDLE EAST & AFRICA: INDUSTRIAL INSULATION MARKET SIZE, BY MATERIAL, 2017-2024 (USD MILLION) □ 201

TABLE 169 □ MIDDLE EAST & AFRICA: INDUSTRIAL INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2017-2024 (USD MILLION) □ 201

12.4.5 □ SOUTH AMERICA □ 201

TABLE 170 □ SOUTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY COUNTRY, 2017-2024 (USD MILLION) □ 202

TABLE 171 □ SOUTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY MATERIAL, 2017-2024 (USD MILLION) □ 202

TABLE 172 □ SOUTH AMERICA: INDUSTRIAL INSULATION MARKET SIZE, BY END-USE INDUSTRY, 2017-2024 (USD MILLION) □ 202

13 □ APPENDIX □ 203

13.1 □ DISCUSSION GUIDE □ 203

13.2 □ KNOWLEDGESTORE: MARKET SAND MARKETS' SUBSCRIPTION PORTAL □ 206

13.3 □ AVAILABLE CUSTOMIZATIONS □ 208

13.4 □ RELATED REPORTS □ 208

13.5 □ AUTHOR DETAILS □ 209

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