

# Global Smart Glass & Smart Window Market (2016 - 2022)

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## Abstracts

Smart glass and smart window or switchable glass and switchable window are a technology with light transmission properties, which get modified when voltage, light or heat is applied. Generally, the glass changes from a translucent glass to a transparent glass. The smart glass technology when installed in the envelope of buildings has the potential to create climate adaptive building shells, saving heating cost, air-conditioning and lighting. It also saves the cost of installing and maintaining motorized light screens or blinds or curtains. Blackout smart glass has the potential to block about 99.4% of ultraviolet light, and as a result reduces fabric fading.

Smart glass manufacturers focus largely on automotive industry, commercial buildings, and personal property buildings to expand the market. Price, functions, technology, efficiency, and safety are the major factors that would bring in the differentiation factor. Safety includes water resistance implementation, to controlling the risks of electroshock, etc.

Based on the Technology, the Smart Glass & Smart Window market is segmented into Active Glasses and Passive Glasses. Active glasses are further divided into Polymer Dispersed Liquid Crystals, Suspense Particle Device, Electrochromic, and Others (Micro-blinds and Nanocrystals). Passive Glasses is divided into Passive Thermochromic and Passive Photochromic. Based on Application, the market is segmented into Automotive, Construction, Marine, and Aviation.

Based on region, Smart Glass & Smart Window market is segmented into North America (US, Canada, Mexico and Rest of North America), Europe (Germany, UK, France, Russia, Spain, Italy and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Singapore, Malaysia and Rest of Asia-Pacific) and Latin America, and

Middle East & Africa. North America remained the dominant region in the global Smart Glass & Smart Window market in 2015. Asia-Pacific would witness promising CAGR during the forecast period (2016-2022).

The report covers the analysis of key stake holders of the Smart Glass & Smart Window market. Key companies profiled in the report include Saint Gobain S.A, Smart Glass International, View, Inc., Research Frontiers Incorporated, Gentex Corporation, Asahi Glass Co., Pleotint, and Hitachi Ltd.

## Contents

### **CHAPTER 1. MARKET SCOPE & METHODOLOGY**

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
  - 1.4.1 Global Smart Glass & Smart Window Market, by Technology
  - 1.4.2 Global Smart Glass & Smart Window Market, by Application
  - 1.4.3 Global Smart Glass & Smart Window Market, by Geography
- 1.5 Methodology for the research

### **CHAPTER 2. EXECUTIVE SUMMARY**

### **CHAPTER 3. MARKET OVERVIEW**

- 3.1 Introduction
- 3.1 Drivers, Restraints and Opportunities
  - 3.1.1 Market Drivers
  - 3.1.2 Market Restraints

### **CHAPTER 4. GLOBAL SMART GLASS & SMART WINDOW MARKET**

- 4.1 Global Smart Glass & Smart Window Market by Technology
  - 4.1.1 Global Active Glasses Market by Region
  - 4.1.2 Global Active Glasses Market by Type
    - 4.1.2.1 Global Polymer Dispersed Liquid Crystals Market by Region
    - 4.1.2.2 Global Suspense Particle Device Market by Region
    - 4.1.2.3 Global Electrochromic Market by Region
    - 4.1.2.4 Global Others (Micro-blinds and Nanocrystals) Market by Region
  - 4.1.3 Global Passive Glasses Market by Region
  - 4.1.4 Global Passive Glasses Market by Type
    - 4.1.4.1 Global Passive Thermochromic Market by Region
    - 4.1.4.2 Global Passive Photochromic Market by Region

### **CHAPTER 5. GLOBAL SMART GLASS & SMART WINDOW MARKET BY APPLICATION**

## 5.1 Introduction

5.1.1 Global Smart Glass & Smart Window Application in Automotive Market by Region

5.1.2 Global Smart Glass & Smart Window Application in Construction Market by Region

5.1.3 Global Smart Glass & Smart Window Application in Marine Market by Region

5.1.4 Global Smart Glass & Smart Window Application in Aviation Market by Region

## **CHAPTER 6. GLOBAL SMART GLASS & SMART WINDOW MARKET BY REGION**

### 6.1 Introduction

### 6.2 North America Smart Glass & Smart Window Market

6.2.1 North America Smart Glass & Smart Window Market by Technology

6.2.1.1 North America Active Glasses Market by Country

6.2.1.2 North America Active Glasses Market by Type

6.2.1.2.1 North America Polymer Dispersed Liquid Crystals Market by Country

6.2.1.2.2 North America Suspense Particle Device Market by Country

6.2.1.2.3 North America Electrochromic Market by Country

6.2.1.2.4 North America Others (Micro-blinds and Nanocrystals) Market by Country

6.2.1.3 North America Passive Glasses Market by Country

6.2.1.4 North America Passive Glasses Market by Type

6.2.1.4.1 North America Passive Thermochromic Market by Country

6.2.1.4.2 North America Passive Photochromic Market by Country

6.2.2 North America Smart Glass & Smart Window Market by Application

6.2.2.1 North America Smart Glass & Smart Window Application in Automotive Market by Country

6.2.2.2 North America Smart Glass & Smart Window Application in Construction Market by Country

6.2.2.3 North America Smart Glass & Smart Window Application in Marine Market by Country

6.2.2.4 North America Smart Glass & Smart Window Application in Aviation Market by Country

6.2.3 North America Smart Glass & Smart Window Market by Country

6.2.3.1 US Smart Glass & Smart Window Market

6.2.3.1.1 US Smart Glass & Smart Window Market by Technology

6.2.3.1.2 US Smart Glass & Smart Window Market by Application

6.2.3.2 Canada Smart Glass & Smart Window Market

6.2.3.2.1 Canada Smart Glass & Smart Window Market by Technology

6.2.3.2.2 Canada Smart Glass & Smart Window Market by Application

- 6.2.3.3 Mexico Smart Glass & Smart Window Market
  - 6.2.3.3.1 Mexico Smart Glass & Smart Window Market by Technology
  - 6.2.3.3.2 Mexico Smart Glass & Smart Window Market by Application
- 6.2.3.4 Rest of North America Smart Glass & Smart Window Market
  - 6.2.3.4.1 Rest of North America Smart Glass & Smart Window Market by Technology
  - 6.2.3.4.2 Rest of North America Smart Glass & Smart Window Market by Application
- 6.3 Europe Smart Glass & Smart Window Market
  - 6.3.1 Europe Smart Glass & Smart Window Market by Technology
    - 6.3.1.1 Europe Active Glasses Market by Country
    - 6.3.1.2 Europe Active Glasses Market by Type
      - 6.3.1.2.1 Europe Polymer Dispersed Liquid Crystals Market by Country
      - 6.3.1.2.2 Europe Suspense Particle Device Market by Country
      - 6.3.1.2.3 Europe Electrochromic Market by Country
      - 6.3.1.2.4 Europe Others (Micro-blinds and Nanocrystals) Market by Country
    - 6.3.1.3 Europe Passive Glasses Market by Country
    - 6.3.1.4 Europe Passive Glasses Market by Type
      - 6.3.1.4.1 Europe Passive Thermochromic Market by Country
      - 6.3.1.4.2 Europe Passive Photochromic Market by Country
  - 6.3.2 Europe Smart Glass & Smart Window Market by Application
    - 6.3.2.1 Europe Smart Glass & Smart Window Application in Automotive Market by Country
    - 6.3.2.2 Europe Smart Glass & Smart Window Application in Construction Market by Country
    - 6.3.2.3 Europe Smart Glass & Smart Window Application in Marine Market by Country
    - 6.3.2.4 Europe Smart Glass & Smart Window Application in Aviation Market by Country
  - 6.3.3 Europe Smart Glass & Smart Window Market by Country
    - 6.3.3.1 Germany Smart Glass & Smart Window Market
      - 6.3.3.1.1 Germany Smart Glass & Smart Window Market by Technology
      - 6.3.3.1.2 Germany Smart Glass & Smart Window Market by Application
    - 6.3.3.2 UK Smart Glass & Smart Window Market
      - 6.3.3.2.1 UK Smart Glass & Smart Window Market by Technology
      - 6.3.3.2.2 UK Smart Glass & Smart Window Market by Application
    - 6.3.3.3 France Smart Glass & Smart Window Market
      - 6.3.3.3.1 France Smart Glass & Smart Window Market by Technology
      - 6.3.3.3.2 France Smart Glass & Smart Window Market by Application

- 6.3.3.4 Russia Smart Glass & Smart Window Market
  - 6.3.3.4.1 Russia Smart Glass & Smart Window Market by Technology
  - 6.3.3.4.2 Russia Smart Glass & Smart Window Market by Application
- 6.3.3.5 Spain Smart Glass & Smart Window Market
  - 6.3.3.5.1 Spain Smart Glass & Smart Window Market by Technology
  - 6.3.3.5.2 Spain Smart Glass & Smart Window Market by Application
- 6.3.3.6 Italy Smart Glass & Smart Window Market
  - 6.3.3.6.1 Italy Smart Glass & Smart Window Market by Technology
  - 6.3.3.6.2 Italy Smart Glass & Smart Window Market by Application
- 6.3.3.7 Rest of Europe Smart Glass & Smart Window Market
  - 6.3.3.7.1 Rest of Europe Smart Glass & Smart Window Market by Technology
  - 6.3.3.7.2 Rest of Europe Smart Glass & Smart Window Market by Application
- 6.4 Asia-Pacific Smart Glass & Smart Window Market
  - 6.4.1 Asia-Pacific Smart Glass & Smart Window Market by Technology
    - 6.4.1.1 Asia-Pacific Active Glasses Market by Country
    - 6.4.1.2 Asia-Pacific Active Glasses Market by Type
      - 6.4.1.2.1 Asia-Pacific Polymer Dispersed Liquid Crystals Market by Country
      - 6.4.1.2.2 Asia-Pacific Suspense Particle Device Market by Country
      - 6.4.1.2.3 Asia-Pacific Electrochromic Market by Country
      - 6.4.1.2.4 Asia-Pacific Others (Micro-blinds and Nanocrystals) Market by Country
    - 6.4.1.3 Asia-Pacific Passive Glasses Market by Country
    - 6.4.1.4 Asia-Pacific Passive Glasses Market by Type
      - 6.4.1.4.1 Asia-Pacific Passive Thermochromic Market by Country
      - 6.4.1.4.2 Asia-Pacific Passive Photochromic Market by Country
  - 6.4.2 Asia-Pacific Smart Glass & Smart Window Market by Application
    - 6.4.2.1 Asia-Pacific Smart Glass & Smart Window Application in Automotive Market by Country
    - 6.4.2.2 Asia-Pacific Smart Glass & Smart Window Application in Construction Market by Country
    - 6.4.2.3 Asia-Pacific Smart Glass & Smart Window Application in Marine Market by Country
    - 6.4.2.4 Asia-Pacific Smart Glass & Smart Window Application in Aviation Market by Country
  - 6.4.3 Asia-Pacific Smart Glass & Smart Window Market by Country
    - 6.4.3.1 China Smart Glass & Smart Window Market
      - 6.4.3.1.1 China Smart Glass & Smart Window Market by Technology
      - 6.4.3.1.2 China Smart Glass & Smart Window Market by Application
    - 6.4.3.2 Japan Smart Glass & Smart Window Market
      - 6.4.3.2.1 Japan Smart Glass & Smart Window Market by Technology



- 6.4.3.2.2 Japan Smart Glass & Smart Window Market by Application
- 6.4.3.3 India Smart Glass & Smart Window Market
  - 6.4.3.3.1 India Smart Glass & Smart Window Market by Technology
  - 6.4.3.3.2 India Smart Glass & Smart Window Market by Application
- 6.4.3.4 South Korea Smart Glass & Smart Window Market
  - 6.4.3.4.1 South Korea Smart Glass & Smart Window Market by Technology
  - 6.4.3.4.2 South Korea Smart Glass & Smart Window Market by Application
- 6.4.3.5 Singapore Smart Glass & Smart Window Market
  - 6.4.3.5.1 Singapore Smart Glass & Smart Window Market by Technology
  - 6.4.3.5.2 Singapore Smart Glass & Smart Window Market by Application
- 6.4.3.6 Malaysia Smart Glass & Smart Window Market
  - 6.4.3.6.1 Malaysia Smart Glass & Smart Window Market by Technology
  - 6.4.3.6.2 Malaysia Smart Glass & Smart Window Market by Application
- 6.4.3.7 Rest of Asia-Pacific Smart Glass & Smart Window Market
  - 6.4.3.7.1 Rest of Asia-Pacific Smart Glass & Smart Window Market by Technology
  - 6.4.3.7.2 Rest of Asia-Pacific Smart Glass & Smart Window Market by Application
- 6.5 LAMEA Smart Glass & Smart Window Market
  - 6.5.1 LAMEA Smart Glass & Smart Window Market by Technology
    - 6.5.1.1 LAMEA Active Glasses Market by Country
      - 6.5.1.2.1 LAMEA Polymer Dispersed Liquid Crystals Market by Country
      - 6.5.1.2.2 LAMEA Suspense Particle Device Market by Country
      - 6.5.1.2.3 LAMEA Electrochromic Market by Country
      - 6.5.1.2.4 LAMEA Others (Micro-blinds and Nanocrystals) Market by Country
    - 6.5.1.3 LAMEA Passive Glasses Market by Country
    - 6.5.1.4 LAMEA Passive Glasses Market by Type
      - 6.5.1.4.1 LAMEA Passive Thermochromic Market by Country
      - 6.5.1.4.2 LAMEA Passive Photochromic Market by Country
  - 6.5.2 LAMEA Smart Glass & Smart Window Market by Application
    - 6.5.2.1 LAMEA Smart Glass & Smart Window Application in Automotive Market by Country
    - 6.5.2.2 LAMEA Smart Glass & Smart Window Application in Construction Market by Country
    - 6.5.2.3 LAMEA Smart Glass & Smart Window Application in Marine Market by Country
    - 6.5.2.4 LAMEA Smart Glass & Smart Window Application in Aviation Market by Country
  - 6.5.3 LAMEA Smart Glass & Smart Window Market by Country
    - 6.5.3.1 Brazil Smart Glass & Smart Window Market

- 6.5.3.1.1 Brazil Smart Glass & Smart Window Market by Technology
- 6.5.3.1.2 Brazil Smart Glass & Smart Window Market by Application
- 6.5.3.2 Argentina Smart Glass & Smart Window Market
  - 6.5.3.2.1 Argentina Smart Glass & Smart Window Market by Technology
  - 6.5.3.2.2 Argentina Smart Glass & Smart Window Market by Application
- 6.5.3.3 UAE Smart Glass & Smart Window Market
  - 6.5.3.3.1 UAE Smart Glass & Smart Window Market by Technology
  - 6.5.3.3.2 UAE Smart Glass & Smart Window Market by Application
- 6.5.3.4 Saudi Arabia Smart Glass & Smart Window Market
  - 6.5.3.4.1 Saudi Arabia Smart Glass & Smart Window Market by Technology
  - 6.5.3.4.2 Saudi Arabia Smart Glass & Smart Window Market by Application
- 6.5.3.5 South Africa Smart Glass & Smart Window Market
  - 6.5.3.5.1 South Africa Smart Glass & Smart Window Market by Technology
  - 6.5.3.5.2 South Africa Smart Glass & Smart Window Market by Application
- 6.5.3.6 Nigeria Smart Glass & Smart Window Market
  - 6.5.3.6.1 Nigeria Smart Glass & Smart Window Market by Technology
  - 6.5.3.6.2 Nigeria Smart Glass & Smart Window Market by Application
- 6.5.3.7 Rest of LAMEA Smart Glass & Smart Window Market
  - 6.5.3.7.1 Rest of LAMEA Smart Glass & Smart Window Market by Technology
  - 6.5.3.7.2 Rest of LAMEA Smart Glass & Smart Window Market by Application

## **CHAPTER 7. COMPANY PROFILES**

- 7.1 Hitachi Ltd.
  - 7.1.1 Company Overview
  - 7.1.2 Financial Analysis
  - 7.1.3 Business Segment Analysis
- 7.2 Saint Gobain S.A.
  - 7.2.1 Company Overview
  - 7.2.2 Financial Analysis
  - 7.2.3 Segmental and Regional Analysis
- 7.3 Smart Glass International
  - 7.3.1 Company Overview
- 7.4 View, Inc.
  - 7.4.1 Company Overview
- 7.5 Research Frontiers Incorporated
  - 7.5.1 Company Overview
- 7.6 Gentex Corporation
  - 7.6.1 Company Overview



7.6.2 Financial Analysis

7.6.3 Segmental and Regional Analysis

7.6.4 Research & Development Expense

7.7 Asahi Glass Co.

7.7.1 Company Overview

7.8 Pleotint

7.8.1 Company Overview

## List Of Tables

### LIST OF TABLES

TABLE 1 GLOBAL SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 2 GLOBAL SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 3 GLOBAL SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2012 - 2015, USD MILLION

TABLE 4 GLOBAL SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2016 - 2022, USD MILLION

TABLE 5 GLOBAL ACTIVE GLASSES MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 6 GLOBAL ACTIVE GLASSES MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 7 GLOBAL ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 8 GLOBAL ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 9 GLOBAL POLYMER DISPERSED LIQUID CRYSTALS MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 10 GLOBAL POLYMER DISPERSED LIQUID CRYSTALS MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 11 GLOBAL SUSPENSE PARTICLE DEVICE MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 12 GLOBAL SUSPENSE PARTICLE DEVICE MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 13 GLOBAL ELECTROCHROMIC MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 14 GLOBAL ELECTROCHROMIC MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 15 GLOBAL OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 16 GLOBAL OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 17 GLOBAL PASSIVE GLASSES MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 18 GLOBAL PASSIVE GLASSES MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 19 GLOBAL PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD

MILLION

TABLE 20 GLOBAL PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 21 GLOBAL PASSIVE THERMOCHROMIC MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 22 GLOBAL PASSIVE THERMOCHROMIC MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 23 GLOBAL PASSIVE PHOTOCROMIC MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 24 GLOBAL PASSIVE PHOTOCROMIC MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 25 GLOBAL SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 26 GLOBAL SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 27 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 28 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 29 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 30 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 31 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 32 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 33 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 34 GLOBAL SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 35 GLOBAL SMART GLASS & SMART WINDOW MARKET BY REGION, 2012 - 2015, USD MILLION

TABLE 36 GLOBAL SMART GLASS & SMART WINDOW MARKET BY REGION, 2016 - 2022, USD MILLION

TABLE 37 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 38 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 39 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2012 - 2015, USD MILLION

TABLE 40 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2016 - 2022, USD MILLION

TABLE 41 NORTH AMERICA ACTIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 42 NORTH AMERICA ACTIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 43 NORTH AMERICA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 44 NORTH AMERICA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 45 NORTH AMERICA POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 46 NORTH AMERICA POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 47 NORTH AMERICA SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 48 NORTH AMERICA SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 49 NORTH AMERICA ELECTROCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 50 NORTH AMERICA ELECTROCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 51 NORTH AMERICA OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 52 NORTH AMERICA OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 53 NORTH AMERICA PASSIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 54 NORTH AMERICA PASSIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 55 NORTH AMERICA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 56 NORTH AMERICA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 57 NORTH AMERICA PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 58 NORTH AMERICA PASSIVE THERMOCHROMIC MARKET BY COUNTRY,

2016 - 2022, USD MILLION

TABLE 59 NORTH AMERICA PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 60 NORTH AMERICA PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 61 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 62 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 63 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 64 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 65 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 66 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 67 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 68 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 69 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 70 NORTH AMERICA SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 71 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 72 NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 73 US SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 74 US SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 75 US SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 76 US SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 77 US ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 78 US ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 79 US PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 80 US PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 81 US SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 82 US SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 83 CANADA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 84 CANADA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 85 CANADA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 86 CANADA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 87 CANADA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 88 CANADA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 89 CANADA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 90 CANADA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 91 CANADA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 92 CANADA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 93 MEXICO SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 94 MEXICO SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 95 MEXICO SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 96 MEXICO SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 97 MEXICO ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 98 MEXICO ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 99 MEXICO PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD



MILLION

TABLE 100 MEXICO PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 101 MEXICO SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 102 MEXICO SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 103 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 104 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 105 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 106 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 107 REST OF NORTH AMERICA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 108 REST OF NORTH AMERICA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 109 REST OF NORTH AMERICA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 110 REST OF NORTH AMERICA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 111 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 112 REST OF NORTH AMERICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 113 EUROPE SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 114 EUROPE SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 115 EUROPE SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2012 - 2015, USD MILLION

TABLE 116 EUROPE SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2016 - 2022, USD MILLION

TABLE 117 EUROPE ACTIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 118 EUROPE ACTIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 119 EUROPE ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 120 EUROPE ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 121 EUROPE POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 122 EUROPE POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 123 EUROPE SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 124 EUROPE SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 125 EUROPE ELECTROCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 126 EUROPE ELECTROCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 127 EUROPE OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 128 EUROPE OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 129 EUROPE PASSIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 130 EUROPE PASSIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 131 EUROPE PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 132 EUROPE PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 133 EUROPE PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 134 EUROPE PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 135 EUROPE PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 136 EUROPE PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 137 EUROPE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 138 EUROPE SMART GLASS & SMART WINDOW MARKET BY

APPLICATION, 2016 - 2022, USD MILLION

TABLE 139 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 140 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 141 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 142 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 143 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 144 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 145 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 146 EUROPE SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 147 EUROPE SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 148 EUROPE SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 149 GERMANY SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 150 GERMANY SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 151 GERMANY SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 152 GERMANY SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 153 GERMANY ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 154 GERMANY ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 155 GERMANY PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 156 GERMANY PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 157 GERMANY SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 158 GERMANY SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 159 UK SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 160 UK SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 161 UK SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 162 UK SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 163 UK ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 164 UK ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 165 UK PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 166 UK PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 167 UK SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 168 UK SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 169 FRANCE SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 170 FRANCE SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 171 FRANCE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 172 FRANCE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 173 FRANCE ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 174 FRANCE ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 175 FRANCE PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 176 FRANCE PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 177 FRANCE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 178 FRANCE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 179 RUSSIA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD

MILLION

TABLE 180 RUSSIA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 181 RUSSIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 182 RUSSIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 183 RUSSIA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 184 RUSSIA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 185 RUSSIA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 186 RUSSIA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 187 RUSSIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 188 RUSSIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 189 SPAIN SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 190 SPAIN SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 191 SPAIN SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 192 SPAIN SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 193 SPAIN ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 194 SPAIN ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 195 SPAIN PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 196 SPAIN PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 197 SPAIN SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 198 SPAIN SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 199 ITALY SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 200 ITALY SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 201 ITALY SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 202 ITALY SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 203 ITALY ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 204 ITALY ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 205 ITALY PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 206 ITALY PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 207 ITALY SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 208 ITALY SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 209 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 210 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 211 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 212 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 213 REST OF EUROPE ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 214 REST OF EUROPE ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 215 REST OF EUROPE PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 216 REST OF EUROPE PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 217 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 218 REST OF EUROPE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 219 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET, 2012 -



2015, USD MILLION

TABLE 220 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 221 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2012 - 2015, USD MILLION

TABLE 222 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2016 - 2022, USD MILLION

TABLE 223 ASIA-PACIFIC ACTIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 224 ASIA-PACIFIC ACTIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 225 ASIA-PACIFIC ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 226 ASIA-PACIFIC ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 227 ASIA-PACIFIC POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 228 ASIA-PACIFIC POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 229 ASIA-PACIFIC SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 230 ASIA-PACIFIC SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 231 ASIA-PACIFIC ELECTROCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 232 ASIA-PACIFIC ELECTROCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 233 ASIA-PACIFIC OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 234 ASIA-PACIFIC OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 235 ASIA-PACIFIC PASSIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 236 ASIA-PACIFIC PASSIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 237 ASIA-PACIFIC PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 238 ASIA-PACIFIC PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 239 ASIA-PACIFIC PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 240 ASIA-PACIFIC PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 241 ASIA-PACIFIC PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 242 ASIA-PACIFIC PASSIVE PHOTOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 243 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 244 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 245 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 246 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 247 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 248 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 249 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 250 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 251 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 252 ASIA-PACIFIC SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 253 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 254 ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 255 CHINA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 256 CHINA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 257 CHINA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 258 CHINA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 -

2022, USD MILLION

TABLE 259 CHINA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 260 CHINA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 261 CHINA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 262 CHINA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 263 CHINA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 264 CHINA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 265 JAPAN SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 266 JAPAN SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 267 JAPAN SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 268 JAPAN SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 269 JAPAN ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 270 JAPAN ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 271 JAPAN PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 272 JAPAN PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 273 JAPAN SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 274 JAPAN SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 275 INDIA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 276 INDIA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 277 INDIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 278 INDIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 279 INDIA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 280 INDIA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 281 INDIA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 282 INDIA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 283 INDIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 284 INDIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 285 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 286 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 287 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 288 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 289 SOUTH KOREA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 290 SOUTH KOREA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 291 SOUTH KOREA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 292 SOUTH KOREA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 293 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 294 SOUTH KOREA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 295 SINGAPORE SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 296 SINGAPORE SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 297 SINGAPORE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 298 SINGAPORE SMART GLASS & SMART WINDOW MARKET BY TYPE,

2016 - 2022, USD MILLION

TABLE 299 SINGAPORE ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 300 SINGAPORE ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 301 SINGAPORE PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 302 SINGAPORE PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 303 SINGAPORE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 304 SINGAPORE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 305 MALAYSIA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 306 MALAYSIA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 307 MALAYSIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 308 MALAYSIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 309 MALAYSIA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 310 MALAYSIA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 311 MALAYSIA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 312 MALAYSIA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 313 MALAYSIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 314 MALAYSIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 315 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 316 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 317 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 318 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 319 REST OF ASIA-PACIFIC ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 320 REST OF ASIA-PACIFIC ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 321 REST OF ASIA-PACIFIC PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 322 REST OF ASIA-PACIFIC PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 323 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 324 REST OF ASIA-PACIFIC SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 325 LAMEA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 326 LAMEA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 327 LAMEA SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2012 - 2015, USD MILLION

TABLE 328 LAMEA SMART GLASS & SMART WINDOW MARKET BY TECHNOLOGY, 2016 - 2022, USD MILLION

TABLE 329 LAMEA ACTIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 330 LAMEA ACTIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 331 LAMEA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 332 LAMEA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 333 LAMEA POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 334 LAMEA POLYMER DISPERSED LIQUID CRYSTALS MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 335 LAMEA SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 336 LAMEA SUSPENSE PARTICLE DEVICE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 337 LAMEA ELECTROCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD



MILLION

TABLE 338 LAMEA ELECTROCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 339 LAMEA OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 340 LAMEA OTHERS (MICRO-BLINDS AND NANOCRYSTALS) MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 341 LAMEA PASSIVE GLASSES MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 342 LAMEA PASSIVE GLASSES MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 343 LAMEA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 344 LAMEA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 345 LAMEA PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 346 LAMEA PASSIVE THERMOCHROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 347 LAMEA PASSIVE PHOTOCROMIC MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 348 LAMEA PASSIVE PHOTOCROMIC MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 349 LAMEA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 350 LAMEA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 351 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 352 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN AUTOMOTIVE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 353 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 354 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN CONSTRUCTION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 355 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 356 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN MARINE MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 357 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 358 LAMEA SMART GLASS & SMART WINDOW APPLICATION IN AVIATION MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 359 LAMEA SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2012 - 2015, USD MILLION

TABLE 360 LAMEA SMART GLASS & SMART WINDOW MARKET BY COUNTRY, 2016 - 2022, USD MILLION

TABLE 361 BRAZIL SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 362 BRAZIL SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 363 BRAZIL SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 364 BRAZIL SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 365 BRAZIL ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 366 BRAZIL ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 367 BRAZIL PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 368 BRAZIL PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 369 BRAZIL SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 370 BRAZIL SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 371 ARGENTINA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 372 ARGENTINA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 373 ARGENTINA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 374 ARGENTINA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 375 ARGENTINA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 376 ARGENTINA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD

MILLION

TABLE 377 ARGENTINA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 378 ARGENTINA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 379 ARGENTINA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 380 ARGENTINA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 381 UAE SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 382 UAE SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 383 UAE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 384 UAE SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 385 UAE ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 386 UAE ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 387 UAE PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 388 UAE PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 389 UAE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 390 UAE SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 391 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 392 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 393 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 394 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 395 SAUDI ARABIA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 396 SAUDI ARABIA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 397 SAUDI ARABIA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 398 SAUDI ARABIA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 399 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 400 SAUDI ARABIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 401 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 402 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 403 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 404 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 405 SOUTH AFRICA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 406 SOUTH AFRICA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 407 SOUTH AFRICA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 408 SOUTH AFRICA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 409 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 410 SOUTH AFRICA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 411 NIGERIA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 412 NIGERIA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 413 NIGERIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 414 NIGERIA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 415 NIGERIA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 416 NIGERIA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 417 NIGERIA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD

MILLION

TABLE 418 NIGERIA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 419 NIGERIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 420 NIGERIA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 421 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET, 2012 - 2015, USD MILLION

TABLE 422 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET, 2016 - 2022, USD MILLION

TABLE 423 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 424 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 425 REST OF LAMEA ACTIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 426 REST OF LAMEA ACTIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 427 REST OF LAMEA PASSIVE GLASSES MARKET BY TYPE, 2012 - 2015, USD MILLION

TABLE 428 REST OF LAMEA PASSIVE GLASSES MARKET BY TYPE, 2016 - 2022, USD MILLION

TABLE 429 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2012 - 2015, USD MILLION

TABLE 430 REST OF LAMEA SMART GLASS & SMART WINDOW MARKET BY APPLICATION, 2016 - 2022, USD MILLION

TABLE 431 KEY INFORMATION - HITACHI LTD.

TABLE 432 KEY INFORMATION – SAINT GOBAIN S.A.

TABLE 433 KEY INFORMATION – SMART GLASS INTERNATIONAL

TABLE 434 KEY INFORMATION – VIEW, INC.

TABLE 435 KEY INFORMATION – RESEARCH FRONTIERS INCORPORATED

TABLE 436 KEY INFORMATION – GENTEX CORPORATION

TABLE 437 KEY INFORMATION – ASAHI GLASS CO.

TABLE 438 KEY INFORMATION – PLEOTINT

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