Fire Resistant Glass Market by Type (Laminated, Ceramic, Tempered, Wired), Application (Building & Construction, Marine, and Others), and by Region - Global Forecast to 2021

Description: The global fire-resistant glass market is projected to reach USD 7.36 billion by 2021, registering a CAGR of 12.9% from 2016 to 2021. The market is projected to register a CAGR of 10.5%, in terms of volume, from 2016 to reach 17.43 million square meters by 2021. The increasing demand from the building & construction, marine, oil refineries, and transportation application sectors fuels the growth of the fire resistant glass market.

The building & construction industry is the largest and the fastest-growing application segment for the fire resistant glass market. These glasses are mainly used in the commercial and residential sectors such as hospitals, schools, and offices that require installation of fire resistant doors and partitions, which will help in minimizing the spread of fire, smoke, and radiant heat during fire mishaps.

Stringent building & safety codes, such as BS EN 12600, BS 476, and BS EN 356, AS 1657, AS 4586, AS 1530, ISO 9002, and AS 53959-2009, governed by various associations and government organizations such as International Building Code (IBC), National Fire Protection Act (NFPA), British (Building) Standards, and Australia Standards (AS) increase the consumption of fire resistant glasses in the building & construction industry.

Asia-Pacific is the fastest-growing market of fire resistant glass, in terms of value and volume, with China dominating the market. High economic growth, growing manufacturing industries, cheap labor, increasing foreign investments, agreement/collaboration, expansion, and a global shift in production capacity from the developed markets to emerging markets are the major factors leading to the growth of fire resistant glasses in this region.

This study has been validated through primaries conducted with various industry experts globally. These primary sources have been divided into three categories, namely, by company, by designation, and by region.

- By Company Type - Tier 1 - 44.4%, Tier 2 - 22.2%, and Tier 3 - 33.3%
- By Designation - C Level - 50.0%, Director Level - 10.0%, and Others - 40.0%
- By Region - Western Europe - 33.3%, North America - 16.7%, Asia-Pacific - 16.7%, Middle East & Africa - 25.0%, and South America - 8.3%

The report also provides company profiles and competitive strategies adopted by the major market players, such as Compagnie De Saint-Gobain (France), SCHOTT AG (Germany), NSG Pilkington (Japan), Asahi Glass Co. Ltd. (Japan), Pyroguard (U.K.), Promat International NV (Belgium), Ravensby Glass Co. Ltd. (U.K.), SAFTI First Fire Rated Glazing Systems (U.S.), Fuso Glass India Pvt. Ltd. (India), and Anemostat (U.S.), among others.

Reasons to buy this report:

From an insight perspective, this research report has focused on various levels of analysis - industry analysis (industry trends), market share analysis of top players, supply chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape; emerging and high-growth segments of the fire resistant market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

- Market Penetration: Comprehensive information on fire resistant glass offered by the top players in the global fire resistant glass market.
- Product Development/Innovation: Detailed insights on upcoming technologies, R&D activities, and new product launches in the fire resistant glass market.

- Market Development: Comprehensive information about lucrative emerging markets - the report analyzes the markets for fire resistant glass across regions.

- Market Diversification: Extensive information about new products, untapped geographies, recent developments, and investments in the global fire resistant glass market.

- Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of the leading players in the global fire resistant glass market.

Contents:

1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Market Scope
      1.3.1 Markets Covered
      1.3.2 Years Considered for the Study
   1.4 Currency
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Research Data
      2.1.1 Secondary Data
      2.1.1.1 Key Data From Secondary Sources
      2.1.2 Primary Data
      2.1.2.1 Key Data From Primary Sources
      2.1.2.2 Key Industry Insights
      2.1.2.3 Breakdown of Primary Interviews
   2.2 Market Size Estimation
   2.3 Data Triangulation
   2.4 Research Assumptions

3 Executive Summary

4 Premium Insights
   4.1 Attractive Opportunities in Fire Resistant Glass Market
   4.2 Fire Resistant Glass Market, By Region (2016-2021)
   4.3 Fire Resistant Glass Market in Western Europe, 2015
   4.4 Fire Resistant Glass Market, By Type (2016-2021)
   4.5 Fire Resistant Glass Market: Emerging vs Mature Markets
   4.6 Fastest Growing Markets, By Application
   4.7 Life Cycle Analysis, By Region

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
      5.2.1 By Type
      5.2.2 By Application
   5.3 Market Dynamics
      5.3.1 Drivers
         5.3.1.1 Increasing Demand for Passive Fire Protection Equipment and Systems in Commercial Buildings
      5.3.2 Restraints
         5.3.2.1 Declining Demand for the Polished Wired Glasses
         5.3.2.2 High Production Costs
      5.3.3 Opportunities
         5.3.3.1 Greater Design Flexibility Along With Safety/ Aesthetic Advantages of Ceramic Glass
         5.3.3.2 Growing Building & Construction Industry in Emerging Markets
      5.3.4 Challenges
5.3.4.1 Impulsive Market Conditions
5.3.4.2 Rising Quality Standards & Technological Benchmarks in Asia-Pacific

5.4 Revenue Pocket Matrix
5.5 Regulatory Framework
5.6 Technology Roadmap

6 Industry Trends
6.1 Introduction
6.2 Supply Chain Analysis
   6.2.1 Raw Material Suppliers
   6.2.2 Manufacturers
   6.2.3 End-Use Industries
   6.2.4 Distributors
6.3 Price Trend Analysis
6.4 Porter's Five Forces Analysis
   6.4.1 Bargaining Power of Suppliers
   6.4.2 Bargaining Power of Buyers
   6.4.3 Threat of Substitutes
   6.4.4 Threat of New Entrants
   6.4.5 Intensity of Rivalry
6.5 Patent Analysis

7 Fire Resistant Glass Market, By Type
7.1 Introduction
7.2 Wired Fire Resistant Glass
7.3 Ceramic Fire Resistant Glass Market
7.4 Laminated Fire Resistant Glass
   7.4.1 Laminated Fire Resistant Glass, By Type
      7.4.1.1 Cuttable Laminated Fire Resistant Glass
      7.4.1.2
   7.4.2 Laminated Fire Resistant Glass, By Interlayer
      7.4.1.1 EVA Interlayer
      7.4.1.2 PVB Interlayer
      7.4.1.3 GEL Interlayer
7.5 Tempered Fire Resistant Glass

8 Fire Resistant Glass Market, By Application
8.1 Introduction
8.2 Building & Construction
   8.2.1 Residential
   8.2.2 Commercial
8.3 Marine
8.4 Others

9 Fire Resistant Glass Market, By Region
9.1 Introduction
9.2 North America
   9.2.1 U.S.
   9.2.2 Canada
   9.2.3 Mexico
9.3 Western Europe
   9.3.1 Germany
   9.3.2 France
   9.3.3 U.K
   9.3.4 Italy
   9.3.5 Spain
   9.3.6 Others
9.4 Central & Eastern Europe
   9.4.1 Turkey
   9.4.2 Russia
   9.4.3 Others
9.5 Asia-Pacific
   9.5.1 China
9.5.2 Japan
9.5.3 Indonesia
9.5.4 Singapore
9.5.5 South Korea
9.5.6 India
9.5.7 Australia
9.5.8 New Zealand
9.5.9 Others

9.6 Latin America
9.6.1 Brazil
9.6.2 Argentina
9.6.3 Others

9.7 Middle East & Africa
9.7.1 UAE
9.7.2 Saudi Arabia
9.7.3 Others

10 Competitive Landscape
10.1 Introduction
10.2 New Product Launches & Developments: the Most Popular Growth Strategy
10.3 Competitive Situation & Trends
   10.3.1 Agreement/Collaboration
   10.3.2 Expansion
   10.3.3 New Product Launch/Development
   10.3.4 Merger & Acquisition

11 Company Profiles
11.1 Introduction
11.2 Compagnie De Saint Gobain
   11.2.1 Business Overview
   11.2.2 Saint Gobain: Products Offered
   11.2.3 Recent Developments
   11.2.4 SWOT Analysis
   11.2.5 MnM View

11.3 Ashai Glass Co. Ltd.
   11.3.1 Business Overview
   11.3.2 Pasahi Glass Co. Ltd.: Products Offered
   11.3.3 Recent Developments
   11.3.4 SWOT Analysis
   11.3.5 MnM View

11.4 NSG Pilkington
   11.4.1 Business Overview
   11.4.2 NSG Pilkington: Products Offered
   11.4.3 Recent Developments
   11.4.4 SWOT Analysis
   11.4.5 MnM View

11.5 Pyroguard
   11.5.1 Business Overview
   11.5.2 Pyroguard: Products Offered
   11.5.3 Recent Developments
   11.5.4 SWOT Analysis
   11.5.5 MnM View

11.6 Schott AG
   11.6.1 Business Overview
   11.6.2 Schott AG: Products Offered
   11.6.3 Recent Developments
   11.6.4 SWOT Analysis
   11.6.5 MnM View

11.7 Anemostat
   11.7.1 Business Overview
   11.7.2 Anemostat: Products Offered

11.8 Fuso Glass India Pvt. Ltd.
   11.8.1 Business Overview
11.8.2 Fuso Glass India Pvt. Ltd.: Products Offered
11.9 Promat International Nv
  11.9.1 Business Overview
  11.9.2 Promat International Nv: Products Offered
  11.9.3 Recent Developments
11.10 Ravensby Glass Co. Ltd.
  11.10.1 Business Overview
  11.10.2 Ravensby Glass Co. Ltd.: Products Offered
  11.10.3 Recent Developments
11.11 Safti First Fire Rated Glazing Solutions
  11.11.1 Business Overview
  11.11.2 Safti First Fire Glazing Solutions: Products Offered
  11.11.3 Recent Developments
11.11 Additional Company Profiles
  11.11.1 Technical Glass Products
  11.11.2 China Glass Holdings Limited
  11.11.3 Kiriakidis Vasilios S.A.
  11.11.4 Lorient Group
  11.11.5 Akcancam
  11.11.6 Belim
  11.11.7 Patsis Glass SA
  11.11.8 Novoferm
  11.11.9 HTG
  11.11.10 Adalaide Glass Blocks
  11.11.11 Australian Glass and Glazing Pty Ltd
  11.11.12 Ausflam Fire Systems Pty Ltd
  11.11.13 FSE Special Purpose Doors
  11.11.14 Architectural Windows Systems Pty Ltd
  11.11.15 Hanlan Windows
  11.11.16 Pacific Doors
  11.11.17 Southern Steel Windows Ltd.
  11.11.18 CT Glass Limited
  11.11.19 Smoke Control Systems Pty Ltd
  11.11.20 Australian Glass Group

12 Appendix
  12.1 Insights From Industry Experts
  12.2 Discussion Guide

List of Tables

Table 1 Fire Resistant Glass Market Size, By Region, 2014-2021 (USD Million)
Table 2 Stringent Regulations and Increasing Demand for Passive Fire Protection are Driving the Market Growth
Table 3 Declining Demand for Wired Glass and Construction Sector Crisis in European Region are Restraining the Market Growth
Table 4 Growing Building & Construction Industry in Emerging Markets is Providing New Revenue Pockets for Market Players
Table 5 North America: Fire Resistant Glass Average Prices, By Type, 2014-2021 (USD/Sqmt)
Table 6 Western Europe: Fire Resistnat Glass Average Prices, By Type, 2014-2021 (USD/Sqmt)
Table 7 Asia-Pacific: Fire Resistnat Glass Average Prices, By Type, 2014-2021 (USD/Sqmt)
Table 8 RoW: Fire Resistnat Glass Average Prices, By Type, 2014-2021 (USD/Sqmt)
Table 9 Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 10 Fire Resistant Glass Market Size, By Type, 2014-2021 (Million Sqmt)
Table 11 Wired Fire Resistnat Glass Market Size (Volume & Value), 2014-2021
Table 12 Ceramic Fire Resistant Glass Market Size (Volume & Value), 2014-2021
Table 13 Laminated Fire Resistant Glass Market Size (Volume & Value), 2014-2021
Table 14 Tempered Fire Resistant Glass Market Size (Volume & Value), 2014-2021
Table 15 Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 16 Fire Resistant Glass Market Size, By Application, 2014-2021 (Million Square Meter)
Table 17 Fire Resistant Glass Market Size in Building & Construction (Volume & Value), 2014-2021
Table 18 Fire Resistant Glass Market Size in Marine (Volume & Value) 2014-2021
Table 19 Fire Resistant Glass Market Size in Other Applications (Volume & Value), 2014-2021
Table 20 Fire Resistant Glass Market Size, By Region, 2014-2021 (USD Million)
Table 21 Fire Resistant Glass Market Size, By Region, 2014-2021 (Million Sqmt)
Table 22 North America: Fire Resistant Glass Market Size, By Country, 2014-2021 (USD Million)
Table 23 North America: Fire Resistant Glass Market Size, By Country, 2014-2021 (Million Sqmt)
Table 24 North America: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 25 North America: Fire Resistant Glass Market Size, By Type, 2014-2021 (Million Sqmt)
Table 26 North America: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 27 North America: Fire Resistant Glass Market Size, By Application, 2014-2021 (Million Sqmt)
Table 28 U.S.: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 29 U.S.: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 30 U.S.: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 31 U.S.: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 32 Canada: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 33 Canada: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 34 Canada: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 35 Canada: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 36 Mexico: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 37 Mexico: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 38 Mexico: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 39 Mexico: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 40 Western Europe: Fire Resistant Glass Market Size, By Country, 2014-2021 (USD Million)
Table 41 Western Europe: Fire Resistant Glass Market Size, By Country, 2014-2021 (Million Sqmt)
Table 42 Western Europe: Fire Resistant Glass Market Size, By Type (USD Million), 2014-2021
Table 43 Western Europe: Fire Resistant Glass Market Size, By Type (Million Sqmt), 2014-2021
Table 44 Western Europe: Fire Resistant Glass Market Size, By Application (USD Million), 2014-2021
Table 45 Western Europe: Fire Resistant Glass Market Size, By Application (Million Sqmt), 2014-2021
Table 46 Germany: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 47 Germany: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 48 Germany: Fire Resistant Glass Market Size, By Application (USD Million), 2014-2021
Table 49 Germany: Fire Resistant Glass Market Size, By Application (Thousand Sqmt), 2014-2021
Table 50 France: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 51 France: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt), 2014-2021
Table 52 France: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 53 France: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 54 U.K.: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 55 U.K.: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 56 U.K.: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 57 U.K.: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 58 Italy: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 59 Italy: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 60 Italy: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 61 Italy: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 62 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 63 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 64 Others: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 65 Others: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 66 Central & Eastern Europe: Fire Resistant Glass Market Size, By Country, 2014-2021 (USD Million)
Table 67 Central & Eastern Europe: Fire Resistant Glass Market Size, By Country, 2014-2021 (Million Sqmt)
Table 68 Central & Eastern Europe: Fire Resistant Glass Market Size, By Type (USD Million), 2014-2021
Table 69 Central & Eastern Europe: Fire Resistant Glass Market Size, By Type (Million Sqmt), 2014-2021
Table 70 Central & Eastern Europe: Fire Resistant Glass Market Size, By Application (USD Million), 2014-2021
Table 71 Central & Eastern Europe: Fire Resistant Glass Market Size, By Application (Million Sqmt), 2014-2021
Table 72 Turkey: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 73 Turkey: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 74 Turkey: Fire Resistant Glass Market Size, By Application (USD Million), 2014-2021
Table 75 Turkey: Fire Resistant Glass Market Size, By Application (Thousand Sqmt), 2014-2021
Table 76 Russia: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 77 Russia: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 78 Russia: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 79 Russia: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 80 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 81 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 82 Others: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 93</td>
<td>New Zealand: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 94</td>
<td>New Zealand: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 95</td>
<td>New Zealand: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 96</td>
<td>New Zealand: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 97</td>
<td>New Zealand: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 98</td>
<td>Indonesia: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 99</td>
<td>Indonesia: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 100</td>
<td>Indonesia: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 101</td>
<td>Indonesia: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 102</td>
<td>Singapore: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 103</td>
<td>Singapore: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 104</td>
<td>Singapore: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 105</td>
<td>Singapore: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 106</td>
<td>Singapore: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 107</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 108</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)</td>
</tr>
<tr>
<td>Table 109</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 110</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 111</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 112</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 113</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 114</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 115</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 116</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 117</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 118</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 119</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 120</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 121</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 122</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 123</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 124</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 125</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 126</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 127</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 128</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 129</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 130</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 131</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 132</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 133</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 134</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 135</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 136</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 137</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 138</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 139</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 140</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 141</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 142</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 143</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 144</td>
<td>South Korea: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)</td>
</tr>
<tr>
<td>Table 145</td>
<td>South Korea: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)</td>
</tr>
</tbody>
</table>
Table 146 Middle East & Africa: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 147 Middle East & Africa: Fire Resistant Glass Market Size, By Type, 2014-2021 (Million Sqmt)
Table 148 Middle East & Africa: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 149 Middle East & Africa: Fire Resistant Glass Market Size, By Application, 2014-2021 (Million Sqmt)
Table 150 UAE: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 151 UAE: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 152 UAE: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 153 UAE: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 154 Saudi Arabia: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 155 Saudi Arabia: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 156 Saudi Arabia: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 157 Saudi Arabia: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 158 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (USD Million)
Table 159 Others: Fire Resistant Glass Market Size, By Type, 2014-2021 (Thousand Sqmt)
Table 160 Others: Fire Resistant Glass Market Size, By Application, 2014-2021 (USD Million)
Table 161 Others: Fire Resistant Glass Market Size, By Application, 2014-2021 (Thousand Sqmt)
Table 162 Expansion, 2012-2016
Table 163 New Product Launch/Development, 2012-2016
Table 164 Agreement/Collaboration, 2012-2016
Table 165 Mergers & Acquisitions, 2012-2016

List of Figures

Figure 1 Fire Resistant Glass Market, By Type
Figure 2 Fire Resistant Glass Market, By Application
Figure 3 Research Design
Figure 4 Breakdown of Primary Interviews: By Company Type, Designation & Region
Figure 5 Market Size Estimation: Top-Down Approach
Figure 6 Market Size Estimation: Bottom-Up Approach
Figure 7 Market Breakdown and Data Triangulation
Figure 8 Laminated Glass Segment Dominates the Global Fire Resistant Glass Market, 2015
Figure 9 Building & Construction: the Largest Application Segment
Figure 10 Fire Resistant Glass Market Share (Value), 2015
Figure 11 Attractive Opportunities in Fire Resistant Glass Market
Figure 12 Ceramic Glass to Grow at the Fastest Rate Among the Top Three Fire Resistant Glasses
Figure 13 Laminated Fire Resistant Glass Account for the Largest Market Share (Value) in Europe
Figure 14 The U.S. has the Largest Share of Fire Resistant Glass Market, 2015
Figure 15 Market Size (Value) for Developed vs Developing Nations
Figure 16 More Than 80% of the Total Market Growth Will Come From Top Two Fire Resistant Glasses Between 2016 & 2021
Figure 17 Building & Construction Application to Grow at A High CAGR in the Global Market
Figure 18 Laminated & Ceramic Glasses Provide New Revenue Pockets for Market Players
Figure 19 Asia-Pacific Market is Expected to Grow Exponentially in Coming Years
Figure 20 Fire Resistant Glass Market Segmentation
Figure 21 Market Dynamics
Figure 22 Fire Resistant Glass: Value Chain
Figure 23 Porter’s Five Forces Analysis of the Fire Resistant Glass Market
Figure 24 Top 6 Market Players Collectively Accounted for More Than 80.0% of the Market Share in 2015
Figure 25 Laminated Glass Dominates the Market for Fire Resistant Glass, 2016 vs 2021
Figure 26 Asia-Pacific is the Fastest-Growing Market for Wired Fire Resistant Glass, 2016-2021
Figure 27 China is the Largest Market for Wired Fire Resistant Glass, Followed By U.S.
Figure 28 North America is the Largest Market for Ceramic Fire Resistant Glass, 2015
Figure 29 The U.S. is the Largest Market, Followed By China & Germany
Figure 30 Asia-Pacific is the Fastest-Growing Market, 2016-2021
Figure 31 U.S. is the Largest Market for Laminated Fire Resistant Glass
Figure 32 Western Europe Dominates the Tempered Fire Resistant Glass Market, 2015
Figure 33 Germany is the Largest Market for Tempered Fire Resistant Glass Followed By France
Figure 34 Building & Construction Application Expected to Grow Rapidly
Figure 35 Asia-Pacific: the Fastest-Growing Regional Market, 2016-2021
Figure 36 The U.S. is the Largest Market, Followed By Germany & China
Figure 37 North America Leading the Current & Future Market
Figure 38 U.S., China & Germany: the Top Three Markets
Figure 39 Asia-Pacific: the Fastest-Growing Market, 2016-2021
Figure 40 The U.S. is the Market Leader; Followed By Germany & China
Figure 41 Regional Snapshot (2015): China and India are Emerging as New Hot Spots
Figure 42 China & India: Attractive Destinations for Fire Resistant Glass
Figure 43 North America Market Snapshot, 2015: Demand Will Be Driven By High Growth Rates in Leading Markets
Figure 44 The U.S. to Remain the Largest Fire Resistant Glass Market
Figure 45 Germany is the Largest Market for the Top-Three Fire Resistant Glasses in Western Europe (2015)
Figure 46 Asia-Pacific Fire Resistant Glass Market Snapshot - China, India & Indonesia are the Most Lucrative Markets
Figure 47 Increasing End-Use Industries are Contributing to the Fire Resistant Glass Market Growth in China
Figure 48 Companies Adopted New Product Launch & Expansion as the Key Growth Strategy Over the Last Four Years
Figure 49 GE is the Largest Market Player in Terms of R&D Expenditure, 2012-2016
Figure 50 Key Growth Strategies in the Global Fire Resistant Glass Market, 2012-2016
Figure 51 Market Evolution Framework - Significant Expansion & New Product Launch & Development Activities Have Fueled Growth in 2013 and 2014
Figure 52 Asahi Glass & Safi First: the Most Active Market Players
Figure 53 Regional Revenue Mix of Top 5 Market Players
Figure 54 Competitive Benchmarking of Market Players (2011-2015): Ashai Glass and Saint-Gobain Emerged as Dark Horses Owing to Their R&D Expenditure
Figure 55 Compagnie De Saint Gobain: Business Overview
Figure 56 Compagnie De Saint Gobain: SWOT Analysis
Figure 57 Asahi Glass Co. Ltd.: Business Overview
Figure 58 Ashai Glass Co. Ltd.: SWOT Analysis
Figure 59 NSG Pilkington.: Business Overview
Figure 60 NSG Pilkington: SWOT Analysis
Figure 61 Pyroguard: Business Overview
Figure 62 Pyroguard: SWOT Analysis
Figure 63 Schott AG: Business Overview
Figure 64 Schott AG: SWOT Analysis
Figure 65 Fuso Glass India Pvt. Ltd.: Business Overview
Figure 66 Promat International: Business Overview
Figure 67 Ravensby Glass Co. Ltd.: Business Overview
Figure 68 Safti First Fire Rated Glazing Solutions: Business Overview

Ordering:

Order Online - [http://www.researchandmarkets.com/reports/3798046/](http://www.researchandmarkets.com/reports/3798046/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Fire Resistant Glass Market by Type (Laminated, Ceramic, Tempered, Wired), Application (Building & Construction, Marine, and Others), and by Region - Global Forecast to 2021
Web Address: http://www.researchandmarkets.com/reports/3798046/
Office Code: SCH3T26j

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User:</td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users:</td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License:</td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide:</td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐ ☐
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________ 
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:

<table>
<thead>
<tr>
<th>Account number</th>
<th>833 130 83</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sort code</td>
<td>98-53-30</td>
</tr>
<tr>
<td>Swift code</td>
<td>ULSBIE2D</td>
</tr>
<tr>
<td>IBAN number</td>
<td>IE78ULSB98533083313083</td>
</tr>
<tr>
<td>Bank Address</td>
<td>Ulster Bank, 27-35 Main Street, Blackrock, Co. Dublin, Ireland.</td>
</tr>
</tbody>
</table>

If you have a Marketing Code please enter it below:

Marketing Code: __________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World