

# **United States Thermochromic Glass Market Report** 2016

https://marketpublishers.com/r/U7DB0B26196EN.html

Date: October 2016

Pages: 123

Price: US\$ 3,800.00 (Single User License)

ID: U7DB0B26196EN

#### **Abstracts**

#### Notes:

Sales, means the sales volume of Thermochromic Glass

Revenue, means the sales value of Thermochromic Glass

This report studies sales (consumption) of Thermochromic Glass in United States market, focuses on the top players, with sales, price, revenue and market share for each player, covering

SAGE Electrochromics (U.S.)

Research Frontiers, Inc. (U.S.)

View, Inc. (U.S.)

AGC, Ltd. (Japan)

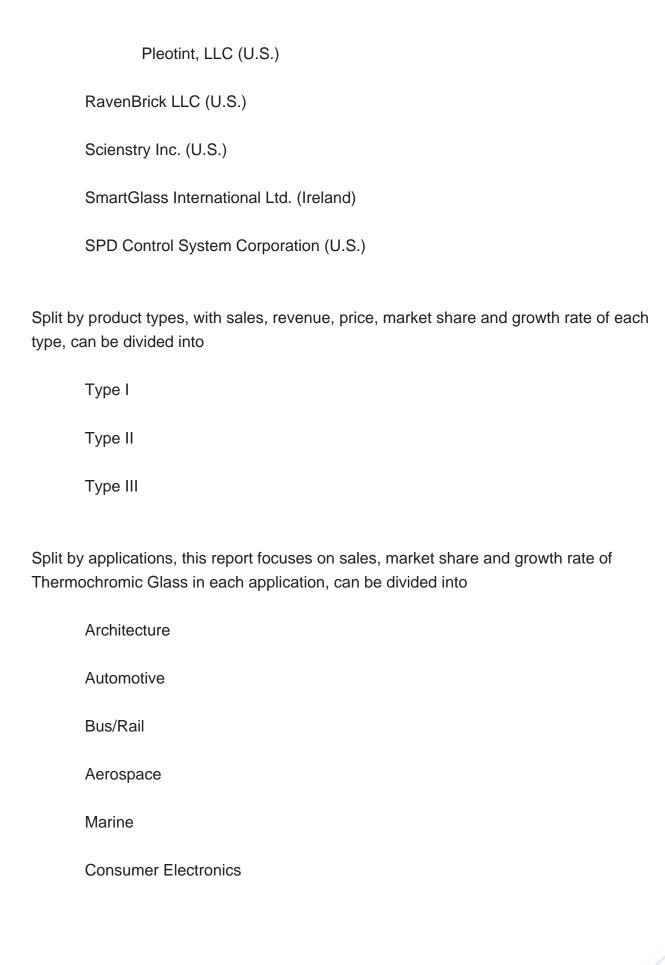
PPG Industries (U.S.)

Gentex Corp. (U.S.)

Hitachi Chemicals Co., Ltd. (Japan)

Glass Apps. (U.S.)







#### **Contents**

United States Thermochromic Glass Market Report 2016

#### 1 THERMOCHROMIC GLASS OVERVIEW

- 1.1 Product Overview and Scope of Thermochromic Glass
- 1.2 Classification of Thermochromic Glass
  - 1.2.1 Type I
  - 1.2.2 Type II
  - 1.2.3 Type III
- 1.3 Application of Thermochromic Glass
  - 1.3.1 Architecture
  - 1.3.2 Automotive
  - 1.3.3 Bus/Rail
  - 1.3.4 Aerospace
  - 1.3.5 Marine
  - 1.3.6 Consumer Electronics
- 1.4 United States Market Size Sales (Value) and Revenue (Volume) of Thermochromic Glass (2011-2021)
  - 1.4.1 United States Thermochromic Glass Sales and Growth Rate (2011-2021)
  - 1.4.2 United States Thermochromic Glass Revenue and Growth Rate (2011-2021)

### 2 UNITED STATES THERMOCHROMIC GLASS COMPETITION BY MANUFACTURERS

- 2.1 United States Thermochromic Glass Sales and Market Share of Key Manufacturers (2015 and 2016)
- 2.2 United States Thermochromic Glass Revenue and Share by Manufactures (2015 and 2016)
- 2.3 United States Thermochromic Glass Average Price by Manufactures (2015 and 2016)
- 2.4 Thermochromic Glass Market Competitive Situation and Trends
  - 2.4.1 Thermochromic Glass Market Concentration Rate
  - 2.4.2 Thermochromic Glass Market Share of Top 3 and Top 5 Manufacturers
  - 2.4.3 Mergers & Acquisitions, Expansion

## 3 UNITED STATES THERMOCHROMIC GLASS SALES (VOLUME) AND REVENUE (VALUE) BY TYPE (2011-2016)



- 3.1 United States Thermochromic Glass Sales and Market Share by Type (2011-2016)
- 3.2 United States Thermochromic Glass Revenue and Market Share by Type (2011-2016)
- 3.3 United States Thermochromic Glass Price by Type (2011-2016)
- 3.4 United States Thermochromic Glass Sales Growth Rate by Type (2011-2016)

### 4 UNITED STATES THERMOCHROMIC GLASS SALES (VOLUME) BY APPLICATION (2011-2016)

- 4.1 United States Thermochromic Glass Sales and Market Share by Application (2011-2016)
- 4.2 United States Thermochromic Glass Sales Growth Rate by Application (2011-2016)
- 4.3 Market Drivers and Opportunities

### 5 UNITED STATES THERMOCHROMIC GLASS MANUFACTURERS PROFILES/ANALYSIS

- 5.1 SAGE Electrochromics (U.S.)
  - 5.1.1 Company Basic Information, Manufacturing Base and Competitors
  - 5.1.2 Thermochromic Glass Product Type, Application and Specification
    - 5.1.2.1 Type I
    - 5.1.2.2 Type II
- 5.1.3 SAGE Electrochromics (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.1.4 Main Business/Business Overview
- 5.2 Research Frontiers, Inc. (U.S.)
  - 5.2.2 Thermochromic Glass Product Type, Application and Specification
    - 5.2.2.1 Type I
    - 5.2.2.2 Type II
- 5.2.3 Research Frontiers, Inc. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.2.4 Main Business/Business Overview
- 5.3 View, Inc. (U.S.)
  - 5.3.2 Thermochromic Glass Product Type, Application and Specification
    - 5.3.2.1 Type I
    - 5.3.2.2 Type II
- 5.3.3 View, Inc. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)



- 5.3.4 Main Business/Business Overview
- 5.4 AGC, Ltd. (Japan)
  - 5.4.2 Thermochromic Glass Product Type, Application and Specification
    - 5.4.2.1 Type I
    - 5.4.2.2 Type II
- 5.4.3 AGC, Ltd. (Japan) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.4.4 Main Business/Business Overview
- 5.5 PPG Industries (U.S.)
  - 5.5.2 Thermochromic Glass Product Type, Application and Specification
    - 5.5.2.1 Type I
    - 5.5.2.2 Type II
- 5.5.3 PPG Industries (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.5.4 Main Business/Business Overview
- 5.6 Gentex Corp. (U.S.)
  - 5.6.2 Thermochromic Glass Product Type, Application and Specification
    - 5.6.2.1 Type I
    - 5.6.2.2 Type II
- 5.6.3 Gentex Corp. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.6.4 Main Business/Business Overview
- 5.7 Hitachi Chemicals Co., Ltd. (Japan)
  - 5.7.2 Thermochromic Glass Product Type, Application and Specification
    - 5.7.2.1 Type I
    - 5.7.2.2 Type II
- 5.7.3 Hitachi Chemicals Co., Ltd. (Japan) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.7.4 Main Business/Business Overview
- 5.8 Glass Apps. (U.S.)
  - 5.8.2 Thermochromic Glass Product Type, Application and Specification
    - 5.8.2.1 Type I
    - 5.8.2.2 Type II
- 5.8.3 Glass Apps. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.8.4 Main Business/Business Overview
- 5.9 Pleotint, LLC (U.S.)
  - 5.9.2 Thermochromic Glass Product Type, Application and Specification
    - 5.9.2.1 Type I



- 5.9.2.2 Type II
- 5.9.3 Pleotint, LLC (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.9.4 Main Business/Business Overview
- 5.10 RavenBrick LLC (U.S.)
  - 5.10.2 Thermochromic Glass Product Type, Application and Specification
    - 5.10.2.1 Type I
    - 5.10.2.2 Type II
- 5.10.3 RavenBrick LLC (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)
  - 5.10.4 Main Business/Business Overview
- 5.11 Scienstry Inc. (U.S.)
- 5.12 SmartGlass International Ltd. (Ireland)
- 5.13 SPD Control System Corporation (U.S.)

#### 6 THERMOCHROMIC GLASS MANUFACTURING COST ANALYSIS

- 6.1 Thermochromic Glass Key Raw Materials Analysis
  - 6.1.1 Key Raw Materials
  - 6.1.2 Price Trend of Key Raw Materials
  - 6.1.3 Key Suppliers of Raw Materials
  - 6.1.4 Market Concentration Rate of Raw Materials
- 6.2 Proportion of Manufacturing Cost Structure
  - 6.2.1 Raw Materials
  - 6.2.2 Labor Cost
  - 6.2.3 Manufacturing Expenses
- 6.3 Manufacturing Process Analysis of Thermochromic Glass

#### 7 INDUSTRIAL CHAIN, SOURCING STRATEGY AND DOWNSTREAM BUYERS

- 7.1 Thermochromic Glass Industrial Chain Analysis
- 7.2 Upstream Raw Materials Sourcing
- 7.3 Raw Materials Sources of Thermochromic Glass Major Manufacturers in 2015
- 7.4 Downstream Buyers

#### 8 MARKETING STRATEGY ANALYSIS, DISTRIBUTORS/TRADERS

- 8.1 Marketing Channel
- 8.1.1 Direct Marketing



- 8.1.2 Indirect Marketing
- 8.1.3 Marketing Channel Development Trend
- 8.2 Market Positioning
  - 8.2.1 Pricing Strategy
  - 8.2.2 Brand Strategy
  - 8.2.3 Target Client
- 8.3 Distributors/Traders List

#### 9 MARKET EFFECT FACTORS ANALYSIS

- 9.1 Technology Progress/Risk
  - 9.1.1 Substitutes Threat
  - 9.1.2 Technology Progress in Related Industry
- 9.2 Consumer Needs/Customer Preference Change
- 9.3 Economic/Political Environmental Change

#### 10 UNITED STATES THERMOCHROMIC GLASS MARKET FORECAST (2016-2021)

- 10.1 United States Thermochromic Glass Sales, Revenue Forecast (2016-2021)
- 10.2 United States Thermochromic Glass Sales Forecast by Type (2016-2021)
- 10.3 United States Thermochromic Glass Sales Forecast by Application (2016-2021)
- 10.4 Thermochromic Glass Price Forecast (2016-2021)

#### 11 RESEARCH FINDINGS AND CONCLUSION

#### 12 APPENDIX

Author List
Disclosure Section
Research Methodology
Data Source

Disclaimer



#### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Thermochromic Glass

Table Classification of Thermochromic Glass

Figure United States Sales Market Share of Thermochromic Glass by Type in 2015 Table Application of Thermochromic Glass

Figure United States Sales Market Share of Thermochromic Glass by Application in 2015

Figure Architecture Examples

Figure Automotive Examples

Figure Bus/Rail Examples

Figure Aerospace Examples

Figure Marine Examples

Figure Consumer Electronics Examples

Figure United States Thermochromic Glass Sales and Growth Rate (2011-2021)

Figure United States Thermochromic Glass Revenue and Growth Rate (2011-2021)

Table United States Thermochromic Glass Sales of Key Manufacturers (2015 and 2016)

Table United States Thermochromic Glass Sales Share by Manufacturers (2015 and 2016)

Figure 2015 Thermochromic Glass Sales Share by Manufacturers

Figure 2016 Thermochromic Glass Sales Share by Manufacturers

Table United States Thermochromic Glass Revenue by Manufacturers (2015 and 2016)

Table United States Thermochromic Glass Revenue Share by Manufacturers (2015 and 2016)

Table 2015 United States Thermochromic Glass Revenue Share by Manufacturers

Table 2016 United States Thermochromic Glass Revenue Share by Manufacturers

Table United States Market Thermochromic Glass Average Price of Key Manufacturers (2015 and 2016)

Figure United States Market Thermochromic Glass Average Price of Key Manufacturers in 2015

Figure Thermochromic Glass Market Share of Top 3 Manufacturers

Figure Thermochromic Glass Market Share of Top 5 Manufacturers

Table United States Thermochromic Glass Sales by Type (2011-2016)

Table United States Thermochromic Glass Sales Share by Type (2011-2016)

Figure United States Thermochromic Glass Sales Market Share by Type in 2015

Table United States Thermochromic Glass Revenue and Market Share by Type



(2011-2016)

Table United States Thermochromic Glass Revenue Share by Type (2011-2016)

Figure Revenue Market Share of Thermochromic Glass by Type (2011-2016)

Table United States Thermochromic Glass Price by Type (2011-2016)

Figure United States Thermochromic Glass Sales Growth Rate by Type (2011-2016)

Table United States Thermochromic Glass Sales by Application (2011-2016)

Table United States Thermochromic Glass Sales Market Share by Application (2011-2016)

Figure United States Thermochromic Glass Sales Market Share by Application in 2015 Table United States Thermochromic Glass Sales Growth Rate by Application (2011-2016)

Figure United States Thermochromic Glass Sales Growth Rate by Application (2011-2016)

Table SAGE Electrochromics (U.S.) Basic Information List

Table SAGE Electrochromics (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Figure SAGE Electrochromics (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table Research Frontiers, Inc. (U.S.) Basic Information List

Table Research Frontiers, Inc. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Research Frontiers, Inc. (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table View, Inc. (U.S.) Basic Information List

Table View, Inc. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table View, Inc. (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table AGC, Ltd. (Japan) Basic Information List

Table AGC, Ltd. (Japan) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table AGC, Ltd. (Japan) Thermochromic Glass Sales Market Share (2011-2016)

Table PPG Industries (U.S.) Basic Information List

Table PPG Industries (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table PPG Industries (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table Gentex Corp. (U.S.) Basic Information List

Table Gentex Corp. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Gentex Corp. (U.S.) Thermochromic Glass Sales Market Share (2011-2016)



Table Hitachi Chemicals Co., Ltd. (Japan) Basic Information List

Table Hitachi Chemicals Co., Ltd. (Japan) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Hitachi Chemicals Co., Ltd. (Japan) Thermochromic Glass Sales Market Share (2011-2016)

Table Glass Apps. (U.S.) Basic Information List

Table Glass Apps. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Glass Apps. (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table Pleotint, LLC (U.S.) Basic Information List

Table Pleotint, LLC (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Pleotint, LLC (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table RavenBrick LLC (U.S.) Basic Information List

Table RavenBrick LLC (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table RavenBrick LLC (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table Scienstry Inc. (U.S.) Basic Information List

Table Scienstry Inc. (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table Scienstry Inc. (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table SmartGlass International Ltd. (Ireland) Basic Information List

Table SmartGlass International Ltd. (Ireland) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table SmartGlass International Ltd. (Ireland) Thermochromic Glass Sales Market Share (2011-2016)

Table SPD Control System Corporation (U.S.) Basic Information List

Table SPD Control System Corporation (U.S.) Thermochromic Glass Sales, Revenue, Price and Gross Margin (2011-2016)

Table SPD Control System Corporation (U.S.) Thermochromic Glass Sales Market Share (2011-2016)

Table Production Base and Market Concentration Rate of Raw Material

Figure Price Trend of Key Raw Materials

Table Key Suppliers of Raw Materials

Figure Manufacturing Cost Structure of Thermochromic Glass

Figure Manufacturing Process Analysis of Thermochromic Glass

Figure Thermochromic Glass Industrial Chain Analysis

Table Raw Materials Sources of Thermochromic Glass Major Manufacturers in 2015 Table Major Buyers of Thermochromic Glass



Table Distributors/Traders List

Figure United States Thermochromic Glass Production and Growth Rate Forecast (2016-2021)

Figure United States Thermochromic Glass Revenue and Growth Rate Forecast (2016-2021)

Table United States Thermochromic Glass Production Forecast by Type (2016-2021)
Table United States Thermochromic Glass Consumption Forecast by Application
(2016-2021)



#### I would like to order

Product name: United States Thermochromic Glass Market Report 2016
Product link: <a href="https://marketpublishers.com/r/U7DB0B26196EN.html">https://marketpublishers.com/r/U7DB0B26196EN.html</a>

Price: US\$ 3,800.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

### **Payment**

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <a href="https://marketpublishers.com/r/U7DB0B26196EN.html">https://marketpublishers.com/r/U7DB0B26196EN.html</a>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:		
Last name:		
Email:		
Company:		
Address:		
City:		
Zip code:		
Country:		
Tel:		
Fax:		
Your message:		
	**All fields are required	
	Custumer signature	

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <a href="https://marketpublishers.com/docs/terms.html">https://marketpublishers.com/docs/terms.html</a>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970