

# Scratch-Resistant Glass - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global Scratch-Resistant Glass Market is accounted for \$1.88 billion in 2017 and expected to grow at a CAGR of 10.4% to reach \$4.59 billion by 2026. Demand from the smartphones & tablets application, high-quality televisions, increasing adoption of advanced technology and requirement for high performance glasses are boosting the market growth. Growing use of film lamination & coatings is restraining the market growth. Furthermore, demand from developing economies will provide ample opportunity for the market. Alternative materials, like chemically strengthened glass-ceramics, may also have a future in this market.

By Product, Sapphire Glass is expensive. It is used in for display requirements of mobile devices along with complex optics & micro-optics in augmented reality applications. Sapphire as a substrate for GaN  $\mu$ LED is used. Sapphire has much higher scratch resistance and fracture toughness for cover screens in personal mobile electronics. sapphire has better electrical properties, leading to increased touch sensitivity and potentially enhanced battery life. Sapphire is a crystal with a melting point of 2,044°C. Sapphire also has five times higher Young's modulus of elasticity than glass. This also means that the liquid crystal display (LCD) behind the sapphire screen suffers much less distortion, providing superior and longer performance.

Based on Application, future vehicle construction may place other scratch prone materials in areas susceptible to scratch damage. Sunroof is emerging as key styling feature. Elegant surfaces on car dashboards, windshields, collaborative surfaces, interactive mirrors are being applied. Specialized surface treatments have helped reduce glare, improve aesthetics, enhance scratch resistance, and even cut down on odor and stain causing bacteria. Chemically toughened glasses are made by immersing glass in a molten salt bath that causes potassium ions to replace some of the sodium

ions on the glass surface. In premium optical glazing, an extremely even coating of the scratch-resistant layer is important. Therefore, new processes are being developed to apply hard materials directly from the gaseous phase to the polymer glass.

Some of the key players in Global Scratch-Resistant Glass market are Rubicon Technology, Kyocera Group, Crystalwise Technology, Edmund Optics, Swiss Jewel, Saint Gobain, Corning Incorporated, Asahi Glass, Nippon Electric Glass, Guardian Industries, Schott AG and Monocrystal.

#### Products Covered:

Sapphire Glass

Chemically-Strengthened Glass

#### Types Covered:

Toughening Degree

Shape

#### Applications Covered:

Oil & Gas

Aerospace

Automotive

Interior Architecture

Electronics

Smartphones & Tablets

Other Applications

**Regions Covered:****North America**

US

Canada

Mexico

**Europe**

Germany

UK

Italy

France

Spain

Rest of Europe

**Asia Pacific**

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

## Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

### What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market

estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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