

**IMMEDIATE RELEASE**

## **AGC's High Performance Fluon®ETFE Film Used in the National Stadium at the Singapore Sports Hub**

**Tokyo, June 27, 2014**—AGC, a world-leading manufacturer of glass, chemicals and high-tech materials, announced today that its fluoropolymer product, Fluon®ETFE Film, has been used in the newly constructed 55,000-capacity National Stadium in Singapore.

Located within the Singapore Sports Hub, the largest sports and entertainment complex in Singapore, the National Stadium is a state-of-art, multi-purpose facility with a retractable roof. The approximately 20,000 square meters of the movable rooftop is covered with 0.15mm to 0.25mm-thick Fluon®ETFE Film, lightweight and flexible fluoropolymer film, which helped to significantly reduce the weight load of the roof. The film also allows a considerable amount of light to pass through it, enabling nighttime illumination effects to amplify the visual experience of visitors.



Singapore Sports Hub

AGC's Fluon®ETFE Film is made from a thermoplastic fluoropolymer developed and manufactured by AGC. The film features excellent transparency and resistance to heat, chemicals and weather. It also boasts strong electrical insulation and non-sticking properties, and has a variety of applications in areas such as electronics, solar cells, wallpaper and greenhouses. In recent years, the material has been attracting global attention as a high-performance building material and has been used extensively in world-class sporting and exposition venues, with notable examples including Russia's Fisht Stadium in Sochi for the Winter Games, Munich's Allianz Arena and Brazil's Itaipava Arena Pernambuco where 2014 FIFA World Cup Brazil™ matches are being held.

In Southeast Asia, the National Stadium of Singapore has become the first large-sized stadium utilizing Fluon®ETFE Film.

Leveraging its long-established fluorochemical technology, AGC will continue to take part in global events, and help create comfortable living spaces for the people around the world.

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**AGC** Asahi Glass Co., Ltd.

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### ■About the AGC Group

The AGC Group, with Tokyo-based Asahi Glass Co., Ltd. at its core, is a world-leading supplier of flat, automotive and display glass, chemicals and other high-tech materials and components. Drawing on more than a century of technical innovation, the AGC Group has developed world-class expertise in fields including glass, fluorine chemistry and ceramics technologies. The group employs some 50,000 people worldwide and generates annual sales of approximately 12 billion USD through business in about 30 countries. For more information, please visit [www.agc-group.com/en](http://www.agc-group.com/en).

### ■Singapore Sports Hub

Singapore's premier sports, entertainment and lifestyle hub with integrated community programming. Consisting of a unique cluster development of integrated world-class sports facilities within the city, it will play a critical role in accelerating the development of sports industry, excellence and participation, and will take sports to the next level in Singapore.

Located on a 35-hectare site in Kallang, the Singapore Sports Hub will include the following facilities:

- A new 55,000-capacity National Stadium with a retractable roof and movable tiered seating
- A 6,000-capacity OCBC Aquatic Centre that meets FINA standards
- A 3,000-capacity OCBC Arena which will be scalable and flexible in layout
- Water Sports Centre featuring dragon boating, kayaking and canoeing
- 41,000 sq m Kallang Wave Mall
- The iconic Singapore Indoor Stadium
- Singapore Sports Museum
- Sports Hub Library
- Daily community facilities and activities open for Singaporeans, including beach volleyball, hard courts for basketball, lawn bowls, giant chess, skate park, climbing wall and running/cycling circuit

**<Reference >****■Fluon®ETFE Film used in the National Stadium of Singapore**

Total area covered: 22,500m<sup>2</sup>

- 1) Retractable roof: 1,9100m<sup>2</sup>
- 2) West Plaza Canopy: 3,400m<sup>2</sup>

**■Examples of Fluon®ETFE Film applications**

- 1) Allianz Arena in Munich, Germany
- 2) All-weather Forsyth Barr Stadium in Dunedin, New Zealand
- 3) Itaipava Arena Pernambuco in Recife, Brazil

1)



3)



2)



Credits: Inês Campelo/Itaipava Arena Pernambuco