

Lexan* Thermoclear* Easy Clean sheet glazes Chongqing's first stadium rooftop

SABIC Innovative Plastics' Lexan Thermoclear Easy Clean sheet glazes the rooftop of Chongqing Stadium, the first stadium in west China

The patented technology of Lexan Thermoclear Easy Clean sheet was chosen by Chongqing Urban Development Co. Ltd. for the roof glazing of the first Olympic stadium in Chongqing, west China. With over 60,000 people to please over an area of around 36,000 square meters, this comes as no surprise. Lexan Thermoclear Easy Clean sheet needs minimal cleaning, provides excellent light transmission, delivers a high stiffness performance and helps protect spectators from changing weather conditions.



SABIC Innovative Plastics and Chongqing Urban Development Co. Ltd.

"The additional benefit from choosing this novel grade of Lexan Thermoclear sheet was particularly attractive to us as we could visualize its long-term cost and maintenance benefits", says Mr. Zhang Feng, General Manager, Chongqing Urban Development Co. Ltd.

Most spectators at global sporting events demand a comfortable viewing experience in all types of weather. One way of achieving this is by offering state-of-the-art facilities, which feature glazing on stadium roofs.

Lexan Thermoclear Easy Clean sheet is an excellent candidate for stadium roof glazing due to its light weight, multi-wall X-structure configuration, providing superb stiffness, improved load stiffness and high impact strength compared to conventional twin-wall products.

It may also provide customers with significant cost savings.

The sheet incorporates SABIC Innovative Plastics' patented coating technology on its exterior surface, to create self-cleaning properties when the sheet comes into contact with water. Patented hydrophobic coating applied to Lexan Thermoclear sheet demonstrates reduced sheet surface tension. This in turn increases the contact angle of water to the sheet, which typically ranges from 66 degrees

for standard polycarbonate to 100 degrees for Easy Clean. The water that forms large droplets wash away dirt and leave the sheet virtually spotless.

Lexan Thermoclear Easy Clean sheet's metallic grey color was created on special request of Chongqing Urban Development Co. Ltd. It was installed at the Chongqing stadium in 2004, a project managed by the Chongqing Urban Development Co. Ltd.

Furthermore, high-level light transmission and weatherability enable the stadium roof to withstand long-term exposure to sunlight and harsh weather conditions.

The new stadium hosted a number of the soccer matches for the Asia Cup 2004 tournament, which was held in China for the first time.

"Chongqing stadium is a showcase of SABIC Innovative Plastics' commitment to supplying quality that meets customer expectations in the building and construction industry in Asia," said Sanjiv Vasudeva, Pacific Pole Leader of Specialty Film & Sheet for SABIC Innovative Plastics. "We're proud that this may set an example for the future of Asia's glazing industry."

SABIC Innovative Plastics supports projects in China with the latest technology and materials, aiming to support the Olympic spirit of being swifter, higher and stronger.

Lexan* Thermoclear* Easy Clean sheet

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