

AGC Parent Company Innovations: Ultra High-Strength Glass

AGC Global created a video to demonstrate the benefits of its innovative E Glass through a series of three experiments.

The first experiment proved the outstanding strength of AGC E Glass. Technicians launched a soccer ball from a mechanical catapult at a pane of chemically strengthened glass. Taking hits at 100 km (62 miles) per hour, the E Glass remained strong and shock resistant.



The second experiment tested for heat insulation and shielding effect. Bowling ball-sized ice balls were suspended above a pane of ordinary glass and E Glass, respectively. A heating element was placed below the glass. The ice ball hanging above the ordinary glass began to drip at 1:44 minutes. The one protected by AGC E Glass didn't start to drip until 6:50 minutes. This low thermal conductivity ensures maximum comfort in hot weather.

The third experiment demonstrated the superior anti-reflective properties of E Glass. A bonsai tree was placed behind a pane made of part ordinary glass and part E Glass. A simulated rain shower showed that despite the water E Glass eliminated light reflection for a significantly clearer view of the tree.

To watch the video of these experiments, [click here](#).

For more information about AGC Global, [click here](#).