

SchoolSafe® Premium

Level 1 Low Spall Glazing | 1-FE20-SSP-2004-LS

Glass-Clad for Optimal Durability

Competitive synthetic products are easily scratched by daily use—and ruined altogether if exposed to standard glass cleaner. SchoolSafe's glass cladding eliminates these risks.

Protective Interlayers for Advanced Protection

SchoolSafe's proprietary polycarbonate and polyurethane interlayers absorb ballistic energy, helping SchoolSafe meet or exceed the industry's toughest security standards:

TECHNICAL DATA

- Nominal Thickness: 9/16"
- Weight Per Square Foot: 5.15lb

GLAZING OPTIONS

- Clear
- Low iron, IGUs, and other options are available for additional cost

FRAMING OPTIONS

Available for retrofit into existing frames and doors, or as custom security doors, curtain walls, storefronts, and entry systems.

SIZING

- Up to 60" x 126"

TEST: ASTM F3561 (Method A) | RESULT: LEVEL 8

The ASTM F3561 Standard Test Method for Forced-Entry Resistance of Fenestration Systems after Simulated Active Shooter Attack is the most current, most rigorous test created in 2022 specifically for modern school shooter attacks. The test includes 10 shots from an AR-15 style assault rifle, followed by repeated impacts from a torpedo delivering 400 foot-pounds of force per strike. SchoolSafe Premium passes the highest level (Level 8), providing the industry's most comprehensive protection from armed intruders.

TEST: H.P. White 5-aa1 | RESULT: 13 MINUTES 53 SECONDS

Developed in 2012 by a glass manufacturer, H.P. White 5-aa1 uses human test subjects wielding hand tools, measuring how long it takes the attackers to create a sizable opening. While not an accredited test method, we test our products to this legacy standard for competitive benchmarking. SchoolSafe Premium withstands an elapsed time of 13 minutes 53 seconds—17% longer than the leading competitive product.

TEST: UL 752 Ballistic Penetration Standard, 9mm (Low Spall) | RESULT: LEVEL 1

UL 752 is the industry standard for testing bullet resistance, ranging from a 9mm handgun to a military-grade .50 caliber rifle. SchoolSafe Premium passes Level 1, making it the industry's only true bullet-resistant school safety glass.

TEST: ASTM F1233 | RESULT: CLASS 1.4

The ASTM F1233 Standard Test Method for Security Glazing Materials and Systems assigns a class based on a glazing system's ability to withstand ballistic impact, blunt and sharp tool impact, thermal stress, and chemical deterioration, as well as the combined effect of these stressors. SchoolSafe premium achieves class 1.4, signifying proven protection from ballistic and forced entry attacks.

