

# SL-31 RIOT

RESISTANT TO PROLONGED, TARGETED ATTACKS AND RIOTS, AS WELL AS FORCED ENTRY, SHOOTERS AND SMASH-AND-GRABS



Our second-generation SL-31 Riot glass laminate offers high-threat protection against more severe, prolonged attack situations like crowd riots and targeted attacks, in addition to providing all the protection of our entry-level SL-15 product (burglaries, strong winds, and bomb blasts).

This world-patented, 31-mil protection holds the glass in place, providing critical time during a severe threat event and giving occupants the opportunity to call first responders and implement any active threat protocol. SL-31 laminate also offers energy-saving properties and additional ancillary benefits to your facility, including UV protection and scratch resistance.

## A PATENT-HOLDING AND PROVEN SECURITY SOLUTION

### TECHNICAL DATA

Break Strength:	1,100 psi
Thickness:	31 mil
Color:	Optically Clear
Tensile Strength:	28,500 psi
Peel Strength:	9 psi
Total Solar Energy Rejected:	18%
Visible Light Transmitted:	87%
UV Rejection:	99%

### CERTIFICATIONS AND TESTING

- **ANSI Z97.1** - Safety Glazing Materials Used in Buildings
- **ASTM E84** - Standard Test Method for Surface Burning Characteristics of Building Material
- **BMAG Level 1** - Blast Mitigation
- **Bullet Resistance** - 3rd Party Verified
- **CPSC 16 CFR** - Architectural Glazing
- **Hospital Safety Compliance**
- **Impact** - EM356P4A
- **ULC S332-93** - Canadian-Burglar Resistant

### CHEMICAL RESISTANCE

Acetone	Hydrogen Peroxide	Sodium Hydroxide
Chlorine Bleach	Mercurochrome	Sulfuric Acid
Ethanol	Methyl Benzene	

### PRODUCT APPLICATIONS

Protect your high-value facility from **crowd riots, targeted threats, smash-and-grabs, burglaries, bomb blasts, active shooters and other assailants, and high winds.**



GOVERNMENT BUILDINGS



SCHOOLS



RETAIL



CORPORATIONS



FINANCIAL INSTITUTIONS



MEDICAL FACILITIES



COMMERCIAL



PLACES OF WORSHIP

## 10 YEAR LIMITED LIFETIME WARRANTY

Clear-Armor, LLC. warranty includes a 5-year limited lifetime warranty on the materials as long as they are properly maintained and a 10-year limited lifetime warranty on installation and workmanship as long as it is maintained properly.



DUNS and CAGE number available upon request.

**CLEAR-ARMOR, LLC.**  
Grayslake, IL 60030  
Phone: 847.665.8447  
Fax: 847.223.2445  
[www.clear-armor.com](http://www.clear-armor.com)

# CLEAR-ARMOR PRODUCT AND INSTALLATION WARRANTY

Clear-Armor, LLC. warranty includes a 5-year limited lifetime warranty on the materials as long as they are properly maintained and a 10-year limited lifetime warranty on installation and workmanship as long as it is maintained properly.

Clear-Armor, under the 5 year limited lifetime warranty and as long the client adheres to cleaning and preservation of installation instructions provided, will replace such quantity of laminate proven to be defective. IN NO EVENT WILL CLEAR-ARMOR BE RESPONSIBLE FOR REPLACING MATERIAL THAT HAS BEEN DEFACED, INTENTIONALLY OR UNINTENTIONALLY, ABUSED, OR NOT CARED FOR PROPERLY. We strongly recommend using our solution and procedures for laminate care to avoid any issues. Clear-Armor assumes no liability for scratching or damaging of the laminate by improper treatment or glass breakage from any causes.

Clear-Armor security and safety laminate, when properly applied to glass by our trained, certified installers, should reduce the likelihood of injuries to persons and/or property if the glass is broken. However, injuries caused by broken glass may still occur and although forced entry may be delayed or discouraged, Clear-Armor may not completely prevent ultimate entry. Clear-Armor LLC shall not be liable for any unauthorized statements, representations or claims made by any salesperson or representative of Clear-Armor regarding the products.

This warranty is made in lieu of all warranties, expressed or implied. There are no warranties of fitness for application for a particular purpose or merchantability applicable to the laminate. In no event shall Clear-Armor LLC be liable or responsible for any loss or damage direct, incidental or consequential, except as expressly set forth herein.

THIS LIMITED LIFETIME WARRANTY PROVIDES CERTAIN LEGAL RIGHTS AND THERE MAY BE OTHER RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS. THE ABOVE LIMITATIONS AND/OR EXCLUSIONS MAY BE INAPPLICABLE.



---

A PATENT-HOLDING AND PROVEN SECURITY SOLUTION