

SCHOOL GUARD GLASS™ SECURITY GLAZING 1" LAMINATED INSULATED GLASS UNIT

SG5 with all Low Iron Glass and Vitro SN 68 Low-e

AIR FILLED

PRODUCT #: SGG-IG16.SG5-LI.SN68-LI-3T.SP5-AIR

DESCRIPTION:

An attack resistant insulated glass unit with an outboard 3/16" pane of Vitro Ultraclear low-iron tempered glass coated with Super Neutral 68 low-e on surface two. SG5 is a laminated glass composite product composed with outer layers of glass with a custom security strengthened substrate core. It is specifically designed to slow down intruders but is not bullet resistant to certain ballistic threats. When shot, it will not shatter like ordinary tempered glass and is far stronger than laminated glass of glass reinforced with security film. SG5 remains in the frame blocking the intruder from entry.

FEATURES:

- SG5 attack resistant
- Insulated glass unit
- All low-iron glass
- Tempered outer lite
- SN 68 low-e

CONSTRUCTION:		PERFORMANCE DATA:														
<i>Attack side / Outboard / Exterior</i>		Max Dimension: 48" x 96" (standard)														
		Nominal Thickness: 1"														
3/16" Tempered Low Iron Glass w/ SN 68 Low-e (#2)		Weight: 7.26 Lbs. / Square Foot														
5/16" Air Filled Space		Attack Rating: 5-aa I rated for 12 minutes ASTM F1233 Class I.4														
1/2" Patented School Guard SG5-LI (SG5 laminate w/ all glass as low-iron)		<table border="1"> <thead> <tr> <th>U-VALUE</th> <th>SHGC</th> <th>VISUAL LIGHT TRANS.</th> <th>SHADING COEFFICIENT</th> <th>RELATIVE HEAT GAIN</th> </tr> </thead> <tbody> <tr> <td>.33</td> <td>.38</td> <td>.65</td> <td>.44</td> <td>93.20</td> </tr> </tbody> </table>					U-VALUE	SHGC	VISUAL LIGHT TRANS.	SHADING COEFFICIENT	RELATIVE HEAT GAIN	.33	.38	.65	.44	93.20
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<i>Protection side / Inboard / Interior</i>		<i>*Calculated using LBL Window Software v7.7.1</i>														
COMPLIANCES:																
<ul style="list-style-type: none"> • ASTM C1036 – Standard Specification – Flat Glass • ASTM C1172 – Standard Specification for Laminated Architectural Flat Glass 			<ul style="list-style-type: none"> • ASTM E2190 – Standard Specification for IGU Performance • ANSI Z97.1 - Safety Materials Used in Buildings • CPSC 16 CFR 1201 													
INSTALLATION SPECIFICATIONS:																
Follow basic installation specifications detailed by window/door framing vendor and School Guard Glass must also be installed with wet structural glazing techniques outlined by separate SGG install specifications.																
ADD-ON OPTIONS & ADDITIONAL INFO:																
Some additional combination options may include:																
<ul style="list-style-type: none"> • Monolithic versions • Air or argon gas fills • Various low-e coatings 		<ul style="list-style-type: none"> • Various spacers/sizes • Tinted glass • Textured glass 		<ul style="list-style-type: none"> • Spandrel glass • Colored Interlayers • Logos or signage in glass 		<ul style="list-style-type: none"> • Smart Glass – instantly switchable privacy glass • Smart Designs - decorative options inside glass • Custom designs & make-ups 										
Contact a School Guard Glass or AIT representative for all possible options, or custom makeups.																
School Guard Glass - +1 (844) 744-5277 - www.schoolguardglass.com																

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