



PRODUCT NAME:

CHILDGARD™ security glazing

PRODUCT DESCRIPTION:

CHILDGARD™ security glazing is laminated safety glass constructed using a unique arrangement of proprietary transparent materials. CHILDGARD™ security glazing is designed to withstand extensive physical attack in a forced entry scenario, ultimately resisting entry until law enforcement or additional help arrives. CHILDGARD™ security glazing has been fully tested to ASTM F1233-08 security glazing standards, one of the most recognized protocols in the detention industry, and complies with standard safety glazing codes for all interior and exterior applications.

PERFORMANCE TESTING:

Forced Entry: ASTM F1233 Class 1.3

CONSTRUCTION:

Product construction is proprietary.

THICKNESS:

3/8" Nominal (5/16" for Retrofit)

WEIGHT:

4.16 Lbs. / Sq. Ft. (3.68 Lbs. / Sq. Ft. for Retrofit)

MAXIMUM SIZE:

72" x 130"

OPTIONS:

Tinted glass, reflective glass, Low E glass, insulated units. (The use of some options may alter product thickness)

TECHNICAL DATA:

U-Value-	.93
Shading Co-efficient-	.90
Light Transmission-	.87

APPLICABLE STANDARDS:

ANSI Z97.1	ASTM C 1349
CPSC 16 CFR 1201 (Category I and II)	ASTM C 1172
ASTM C 1036	ASTM C 1048

SINGLE RESPONSIBILITY:

Global Security Glazing products are covered by our Single Responsibility® Program that ensures one firm has handled and is accountable for all phases of manufacturing.

INSTALLATION:

All glass should be installed in accordance with the guidelines set forth in the current edition of the Glass Association of North America (GANA) Glazing and Sealant Manuals. Global Security Glazing recommends that CHILDGARD™ security glazing be installed into frames with a fixed interior stop. If installed into frames with removable interior stops it is recommended that stops be secured with mechanical fasteners 5-6" OC so that stops cannot be dislodged during impact. Global Security Glazing recommends no less than ½" bite on all edges. In addition, CHILDGARD™ security glazing should be wet glazed on the protected side of the glazing with a high quality structural silicone to promote glazing retention during attack. Product testing has incorporated Dow 995 structural sealant applied to the interior glazing leg. Care must be taken as to not interfere with weep holes during wet glazing operations to ensure the continued performance of the glazing.

