

COMPONENTS

Threat Layer 1: Heat Treated Glass

Layer 2: Interlayer

Layer 3: Heat Treated Glass

Layer 4: Air gap

Layer 5: Heat Treated Glass

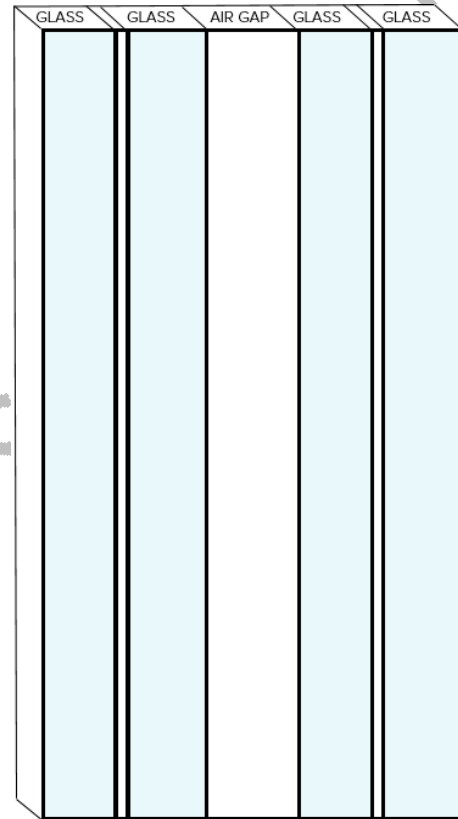
Layer 6: Interlayer

Secure Layer 7: Heat Treated Glass

(Product construction is proprietary. This product is intended for use in TSS Ballistic Frames)

**DEFENDER BALLISTIC
INSULATED GLASS**

PRODUCT: TSS IG 001 L/S 1¹/₄"



OPTIONS

- Tinted Glass (Gray, Bronze, Green, Blue)
- Translucent White Interlayer (Frosted Layer)
- Insulating Units – Low E

More to choose from – Please inquire, as the size and thickness may not be available for every option. Overall thickness of product may change with addition of features.

PROPERTIES & SPECIFICATIONS

Projectile Protection	9 mm
Ballistic Data	Velocity 1: 1175 ft/s Velocity 2: 1292 ft/s
Forced Entry Tests	High Energy Impact Ball Impact Thermal In/Outdoor Conditioning
U-Value	~0.26
Light Transmission	~67% (varies on make-up)
Solar Heat Gain Coefficient	~0.37
Nominal Thickness (in)	1.250" (1 ¹ / ₄ "
Weight	7.33 lbs/sqft
Dimensional Tolerance Standard	ASTM C 1349

STANDARDS

- NSI Z971 Safety Glazing Materials for Building
- ASTM C 1036 Standard Specifications for Flat Glass
- CPSC 16 CFR 1201 (Category I and II)

HANDLING INFORMATION

It is imperative to clean the glazing unit during and after the construction period to maintain optimum performance and aesthetic properties. For best results, use a soft, clean cloth and a mild soap, detergent, or slightly acidic cleaning solution (such as vinegar). Wipe with a clean, lint-free cloth. Other cleaning products are available from TSS.

WARRANTY

- Five years from date of manufacture

BALLISTIC AND FORCED ENTRY RATING

- U.L. 752 Level 1
- U.L. 972: Burglary Resistant

TOTAL SECURITY SOLUTIONS

P: 517.223.7807 | info@tssbulletproof.com | F. 517.223.0805 | 935 Garden Lane, Fowlerville, MI

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