



ArmShield Polycarbonate is Designed for the High Demands of Ballistic and Forced Entry Glazing Applications. 3 Levels of Ballistic Protection, Plus Miami-Dade County FL Approval.

### “AS1-3” SPECIFICATIONS:

<b>Material:</b>	<b>Bullet-Proof/Resistant Polycarbonates</b> are transparent 3-4 ply laminates of Makrolon AR® polycarbonate sheets, acrylic sheets and polyurethane bonding interlayers.
<b>Durability:</b>	This glazing features a coating that provides resistance to abrasion, UV, chemical attack and graffiti.
<b>Performance:</b>	These products are designed for no spall & no white out.
<b>Thickness, Weight and Light Transmission:</b>	Vary by Product
<b>Warranty:</b>	Seven year limited warranty against coating failure, yellowing and hazing.
<b>Fabricated:</b>	USA
<b>To Order:</b>	Contact customer service with your specifications.

### LISTINGS & RATINGS:

#### Ballistic:

Laminated security glazing can successfully resist both penetration of bullets and impact-induced spall (fragmentation from the protected side of the glazing) as a result of ballistic attacks. Traditionally, the ability of security glazing to resist ballistic attack has been measured using the **UL 752 test requirements. UL File # BP6864.**

**Level 1:** Protection against handguns of medium power (9mm full metal copper jacket with lead)

**Level 2:** Protection against handguns of high power (.357 magnum jacketed lead soft point)

**Level 3:** Protection against handguns of super power (.44 magnum lead semi-wadcutter gas checked)  
NIJ Level II, Level IIIA



#### Miami-Dade County, FL NOA:

File # 08-0926.15

**Note: This is not a fire-rated product and should not be used in fire-rated door applications.**

	UL 752 Ballistic Rating	Description	Thickness	Weight lbs/ft <sup>2</sup>	Light Transmission	Vision Frame/ Door Thickness*	Additional Ratings to UL 752
AS1	Level 1	3 Ply Laminate of polycarbonate and acrylic sheets with polyurethane bonding interlayers	.780"	5.1	88%	VLFIG - up to 1-1/2" Door VLFEZIG up to 1-3/4" VSLIG & VLFS10 1-3" Door	None
AS2	Level 2	4 Ply Laminate of polycarbonate sheets with polyurethane bonding interlayers	1.05"	6.5	72%	VLFIG - up to 1-1/2" Door VLFS10 - 1-3" Door	Forced Entry & Containment: ASTM F1233 Class V & III HPW TP 0500.03 Level IV
AS3	Level 3	4 Ply Laminate of polycarbonate sheets with polyurethane bonding interlayers	1.30"	8.1	72%	VLFIG - up to 1-1/2" Door VLFS10 - 1-3" Door	Forced Entry & Containment: ASTM F1233 Class IV, ASTM F1915 Grade 1, HPW TP 0500.03 Level IV

\* Note: Air Louvers Vision Frames have not Been Tested UL752 Test Standards

**DISCLAIMER:** The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.

	<b>Distributor:</b>	<b>Width: _____ x Height: _____</b>
	<b>Architect:</b>	<b>Quantity:</b>
	<b>Contractor:</b>	<b>Level:</b>
	<b>Project:</b>	<b>Date: _____ Version: ALSPDS1001</b>

HDQTRS:4450 WEST 78<sup>TH</sup> ST CIR., BLOOMINGTON, MN 55435-5416 PH: 800-554-6077 FAX: 952-835-2218 EMAIL: SALES@AIRLOUVERS.COM  
VISIT **WWW.ACTIVARCPG.COM** FOR THE MOST UPDATED PRODUCT INFORMATION • AN ACTIVAR CONSTRUCTION PRODUCTS COMPANY  
ACPG WEST COAST (AIR LOUVERS MANUFACTURING): COMMERCE CA • WAREHOUSES: LANCASTER PA, ATLANTA GA, CHICAGO IL, Bloomington MN