

## DATA SHEET

## FIBERGLASS ARMOR

### USFA

- The USFA bullet resistant fiberglass panel is a multi-ply layers of woven roving ballistic grade fiberglass. USFA fiberglass is lightweight, easy to fabricate, non-spall and non-ricochet. This material conforms to UL and NIJ standards.
- It is recommended for use in vehicle armor, wall armor, judges' benches, and counter protection.
- Standard fiberglass size: 48 x 96 sheet



#### PROTECTION, TESTING & STANDARDS

Product	Ballistic Protection UL 752	Nominal Thickness	Nominal Weight (lbs per ft <sup>2</sup> )
USFA 1	Level 1	1/4"	2.6
USFA 2	Level 2	5/16"	3.6
USFA 3	Level 3	7/16"	4.8
USFA 4	Level 4	1-3/8"	13.9
USFA 5	Level 5	1-7/16"	14.8
USFA 6	Level 6	3/8"	3.9
USFA 7	Level 7	1-1/8"	11.7
USFA 8	Level 8	1-7/16"	15.2

#### OTHER IMPORTANT INFORMATION

**Installation:** US Bullet Proofing recommends that pilot holes be drilled in the USFA panel to accommodate hanging metal on stud walls. The use of sheet rock screws at 12" – 24" OC is desirable. To ensure complete protection at seams, we recommend incorporating 4" overlap strips of USFA. These overlay strips can be set first as battens. Then hang full size USFA panels upon the battens to creates a smooth exterior. Sheet rock or other wall covering can then be bonded over the USFA panels with construction adhesive. For millwork applications, treat the USFA panel like plywood. Since the material is very stable and subject to little or no expansion and contraction, it can be laminated into sandwich panels. Use standard construction adhesive or contact cement.

**Fabrication:** The USFA fiberglass panel can be cut with standard wood working tools. It is recommended that a circular saw with a Remgrit carbide abrasive disc blade Model CS80CI-8 be used. For sabre saws, use Remgrit carbide abrasive edge blade Model 552-2MH.

**Warranty:** US Bullet Proofing warranties the USFA fiberglass armor panel for a period of one year from the date of shipment. The warranty stated here replaces and excludes all other warranties. US Bullet Proofing's liability is limited to: 1) replacing products that fail to meet specifications, are defective in quality or workmanship at the time of delivery; or 2) providing credit for such products. US Bullet Proofing reserves the right to choose between replacement or credit.