

## FIBERGLASS BALLISTIC PANEL (LEVELS 1 THROUGH 8)

PART#: FG\_ALL\_LEVELS

PRODUCT LINE: FIBERGLASS

### DESCRIPTION

Fiberglass Armor is a reinforced structural polyester laminate that exhibits unique bullet resisting characteristics. These flat, opaque panels are press molded between plates at high pressure and elevated temperature. Fiberglass structural armor is designed to progressively delaminate as a bullet penetrates. The hard surface and toughness of the material cause the bullet to distort and flatten. As the bullet penetrates, the layers of (fiberglass) reinforcement within the laminate pull apart in a controlled manner such that the energy of the bullet is dissipated within the laminate. No spalling occurs.

### OPTIONS

- 3' X 8'
- 3' X 10'
- 4' X 8'
- 4' X 10'

Please inquire for custom size & custom cutouts

### RATINGS

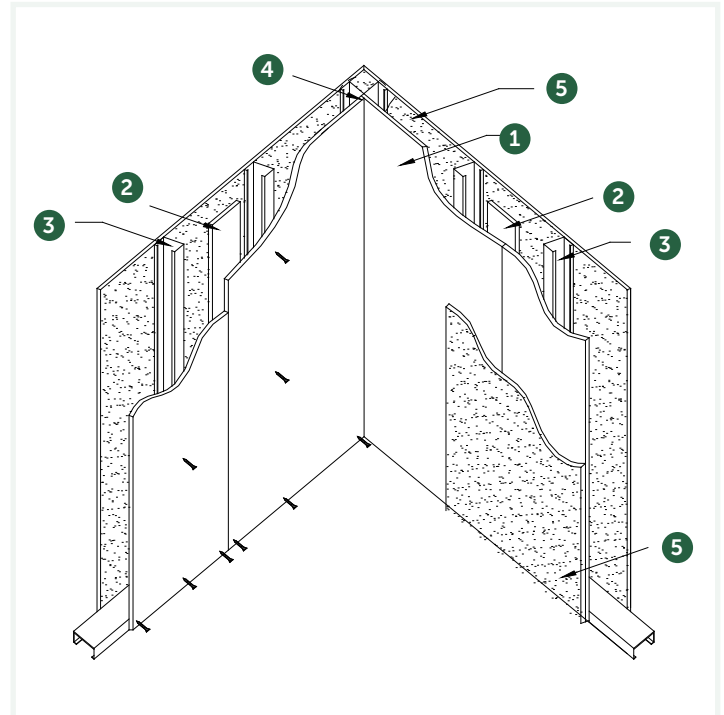
- U.L Level 1 through 8
- NIJ0108.01 - Level III
- NIJ0108.01 - Level IIIA
- Class IV Forced Entry ASTM F1233-98

### STANDARDS

- UL-94 V0 Flame Rating
- UL 752 Standard for Bullet Resistant Materials
- One Hour Fire Rating ASTM E119-98
- Sound Insulation Rating ASTM E413-87

### THICKNESS & WEIGHTS

UL Rating	Thickness (in)	Weight (lb/Sqft)
1	0.245	2.55
2	0.320	3.33
3 & 6	0.450	4.68
4	1.31	13.63
5	1.35	14.05
7	1.46	15.19
8	1.54	16.02



1. Bullet Resistant Fiberglass
2. Batten Strip
3. Steel or Wood Studs
4. Joints Between Fiberglass
5. Drywall

### PROPERTIES & SPECIFICATIONS

Standard Color	White
Tensile Strength LW @ 25°C	45K PSI
Tensile Strength CW @ 25°C	40K PSI
Tensile Strength AVG @ 25°C	3.75 X 10 PSI
Flexural Strength LW @ 25°C	16.8K PSI
Flexural Modulus LW @ 25°C	2.7 X 10 PSI
Compressive Strength @ 25°C	70K PSI
IZOD Impact Strength	52 lbs/in
Water Absorption	<1.4% by wt
Specific Gravity	2
Barcol Hardness	50
Coefficient of Thermal Expansion	2in/in/°Cx10 <sup>-6</sup> -s
Thermal Conductivity	2 BTU/HR/ft <sup>2</sup> /in/°F