FG SERIES FIBERGLASS OPAQUE



Offering innovative solutions for bullet, blast, impact and wind resistance.

PRODUCT DESCRIPTION

Fiberglass composite panels are manufactured with woven roving ballistic grade fiberglass and resin to form a rigid panel. These panels are designed to be installed directly against a stud wall (typically behind drywall) or overhead in a sub-roof system. The unique design of the panels will stop a variety of projectiles (bullets or shrapnel) and prevent ricochet as well.

SPECIFICATION

- Underwriters Laboratories UL 752 (Levels 1-8)
- National Institute of Justice (NIJ) (I, II-A, II, III-A, III)
- MIL-P-46593A (ORD) V-50 test
- ASTM E119-ooA (1 hour fire test)
- ASTME-84-91a (Surface Burning Characteristics)
- Nominal weights and thicknesses (see chart)

Available Sheet Sizes

- 4' x 8'
- 3' x 8'
- 4' x 5'

Consult factory for custom sheet sizes.

APPLICATION INFORMATION

Butt joints are ballistically weak. Reinforcement is recommended using a 4'' wide strip of the

same material as a batten. No rigid high-density material should be used adjacent to the

panel's inner surface (surface opposite side bullet enters). Allow a minimum gap of 1/4".

INSTALLATION

See Drawing

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Composites Ballistic Chart UL – Underwriters Laboratories

PRODUCT	NOMINAL WEIGHT LBS/SQ FT (KGS/SQ MTR)	NOMINAL THICKNESS INCHES (MM)	LEVEL	WEAPON	AMMUNITION	Velocity Ft/Sec
FG 100	2.9 (14.6)	1/4 (6)	UL 1 (MPSA)	9mm	124 GR FMJ	1175-1295
FG 200	4.1 (20)	3/8 (10)	UL 2 (HPSA)	.357 Magnum	158 GR SP	1250-1375
FG 300	5.3 (25.6)	1/2 (13)	UL 3 (SPSA)	.44 Magnum	240 GR LEAD	1350-1485
FG 400	13.7 (67)	1 3/16 (30)	UL 4 (HPR)	.30 Cal Rifle	180 GR SP	2540-2794
FG 500	14.9 (73)	1 3/8 (35)	UL 5	7.62mm Rifle	150 GR FMJ	2750-3025
FG 600	4.1 (20)	3/8 (10)	UL 6	9mm Uzi	124 GR FMJ MULTIPLE SHOTS	1400-1540
FG 700	12.1 (59)	1 1/16 (27)	UL 7	5.56mm M- 16	55 GR FMJ MULTIPLE SHOTS	3080-3388
FG 800	15.5 (76)	1 7/16 (37)	UL 8	7.62mm Rifle	150 GR FMJ MULTIPLE SHOTS	2750-3025

ABBREVIATIONS USED IN THIS CHART

UL UNDERWRITERS LABORATORY

SP SOFT POINT

GR GRAINS

LRHV LONG RIFLE HIGH ECONOMY
MPSA MEDIUM POWER SMALL ARMS
HPSA HIGH POWER SMALL ARMS
SPSA SUPER POWER SMALL ARMS

HPR HIGH POWER RIFLE FMJ FULL METAL JACKET JSP JACKETED SOFT POINT

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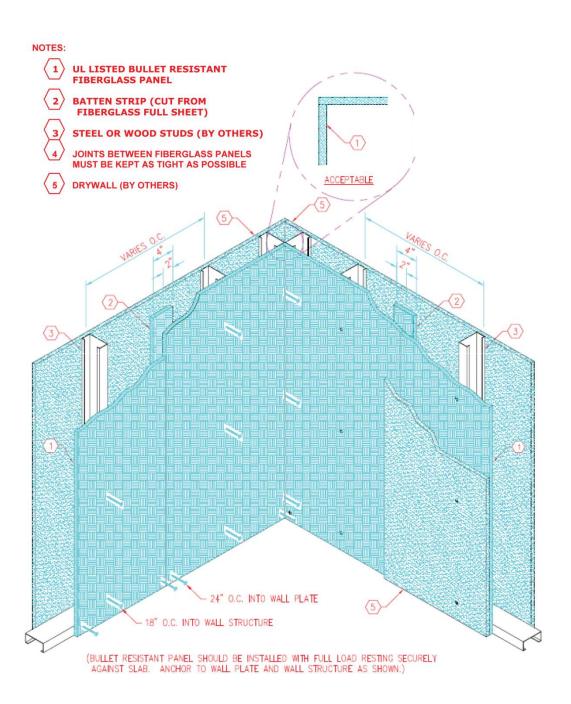


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