

ShotBLOCKER™

Ballistic-Resistant High Performance Thermoset Composites

MC504BR



ShotBlocker™ high performance thermoset composites are the first choice in bullet-resistant fiberglass composite products. Lighter than steel, ricochet-resistant, and readily machined with power hand tools, **ShotBlocker** panels are the ideal reinforcing composite for your bullet and blast resistant architectural and building projects.

Using a unique design and manufacturing process, Norplex-Micarta has the only commercially available Class 1-A fire-rated projectile-resistant building material. **ShotBlocker** panels can be used in commercial and government structures, where increased ballistic protection is desired, while complying with numerous federal and state flame and smoke protection regulations. **ShotBlocker** composites provide far greater security and protection in walls, doors, counters or other applications, when compared to other ballistic laminates.

To insure the level of protection your project demands, specify **ShotBlocker** ballistic-resistant composites by name.

To speak with a technical service representative, call (800) 350-9490, or email info@norplex-micarta.com.

Typical Applications

- Armored vehicles
- Bank teller stations and ATMs
- Courtrooms and judges' benches
- Postal facilities
- Corporate offices
- Convenience stores
- Gas stations
- Hotel lobbies
- Ballistic resistant doors
- Government & public buildings

Features

- Class 1-A fire/smoke-rated building material (ASTM E 84)
- UL Listed
- Certified to NIJ-Std. 0108.01
- High Strength
- Light Weight
- Ricochet Resistant
- Easy installation using power hand tools

ShotBLOCKER™

ShotBlocker™ Ballistic-Resistant Composite - Specifications

MC504BR

Product Specification Table

| Product | Test Methods | | Ballistic Requirements | | | | Minimum Thickness |
|----------------|-----------------------------------|-------------|------------------------|-------------|---------------|-------------------|-------------------|
| | UL-752 Performance Level Standard | NIJ 0108.01 | Weapon | Weight | Designation * | Speed | |
| ShotBlocker 01 | Level 1 | | 9 mm | 124 gr lead | FMJ | 1,175 fps | 0.242" |
| ShotBlocker 02 | Level 2 | | .357 mag | 158 gr lead | JSP | 1,250 fps | 0.352" |
| | Type IIA | | .357 mag | 158 gr lead | JSP | 1,250 fps | 0.352" |
| | | | 9 mm | 124 gr lead | FMJ | 1,090 fps | |
| ShotBlocker 03 | Level 3 | | .44 mag | 240 gr lead | SWC/GC | 1,350 fps | 0.396" |
| | Type II | | .357 mag | 158 gr lead | JSP | 1,395 fps | 0.396" |
| | | | 9 mm | 124 gr lead | FMJ | 1,175 fps | |
| | Type IIIA | | .44 mag | 240 gr lead | SWC/GC | 1,400 fps | 0.396" |
| | | | 9 mm | 124 gr lead | FMJ | 1,400 fps | |
| ShotBlocker 04 | Level 4 | | .30 cal | 180 gr lead | LSP | 2,540 fps | 1.188" |
| | Level 5 (1 shot) | Type III | 7.62 mm | 150 gr lead | FMJ | 2,750 fps | 1.188" |
| ShotBlocker 05 | Level 8 (5 shots; 4.5" Square) | | 7.62 mm | 150 gr lead | FMJ | 2,750 - 3,025 fps | 1.320" |

* Nomenclature

FMJ = full metal jacket
GC = gas-checked
JSP = jacked soft point

LSP = lead soft point
SWC = semi-wad cutter

ShotBlocker™ is Underwriter's Laboratories listed and certified in accordance with the National Institute of Justice, NIJ-STD-0108.01 standard for ballistic resistance properties.

ShotBlocker has also been tested to ASTM E84, *Standard Test Method for Surface Burning Characteristics of Building Materials*, by the hardwood Plywood & Veneer Association, Reston, VA, USA. HPVA is a recognized CABO, BOCA and ACBO testing laboratory.

This data is believed to be accurate based on standardized test methods and conditions. Data supplied are typical values and not to be considered as specification values. Please refer to the Architectural Specifications Writer's Guide to determine the correct method of installing these composite panels.

To speak with a technical service representative, call (800) 848-4431, or email info@norplex-micarta.com.



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Availability

- Standard sheet size: 4' x 8'
- Other (non-standard) sheet sizes available on request.

Aesthetics

- Readily adheres to decorative laminates with the use of contact adhesive.
- Can be decorated with a wide variety of veneers, drywall, wallpaper, other coverings, etc.

Installation Tips

- Cut with ordinary circular, table or panel saws.
- Use of carbide-tipped saw blades is recommended.
- Butt-joints require a 4" batten strip backing, allowing for a 2" overlap on both sides of the joint.
- Can be fastened in diverse configurations using appropriate adhesives, screws, etc.