



ARMORCORE™

Bullet Resistant Panels

HARRIS COUNTY CRIMINAL JUSTICE CENTER
20 FLOORS WITH BULLET RESISTANT PROTECTION ▼



Waco Composites is pleased to present its line of ArmorCore Bullet Resistant Architectural Panels. ArmorCore panels are UL Listed and satisfy or exceed the test criteria for the UL752 Standard for Bullet Resisting Equipment (Underwriters Laboratories Inc.) and the NIJ (National Institute of Justice) Standard 0108.01 for Ballistic Resistant Protective Materials. ArmorCore panels also carry a one-hour fire rating compliant to ASTM E119-00 (Fire Testing of Building Construction and Materials). ArmorCore panels are lightweight, easy to install, fiberglass panels which provide a non-ricochet, non-spalling design solution for building and casework projects where ballistic assault is a concern.

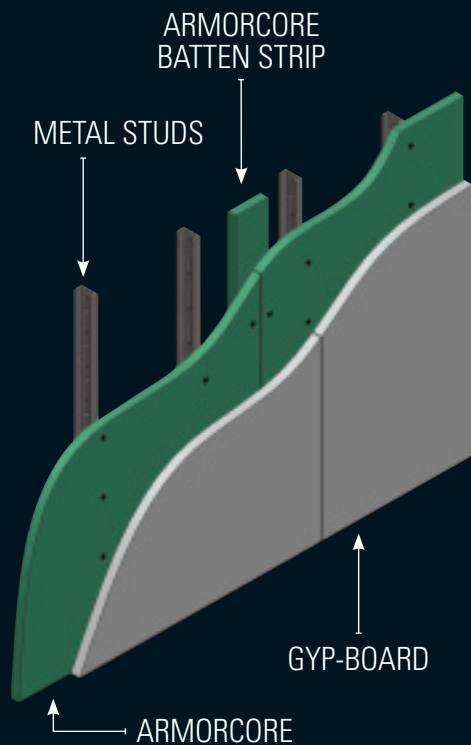
ArmorCore™ by Waco Composites, Ltd.

302 S. 27th Street · P.O. Box 21223 · Waco, Texas 76702-1223
Toll Free (866) 688-3088 · Phone (254) 752-3622 · Fax (254) 752-3634
Member AWI, AGC, AIA, ASIS, CSI
www.armorcore.com · whampton@armorcore.com

| Threat Level | Thickness | Weight (lbs) / sq.ft |
|--------------|-----------|----------------------|
| UL Level 1 | 1/4" | 2.6 |
| UL Level 2 | 5/16" | 3.6 |
| UL Level 3 | 7/16" | 4.9 |
| UL Level 4 | 1-3/8" | 14 |
| UL Level 5 | 1-3/8" | 14.9 |
| UL Level 6 | 5/16" | 3.9 |
| UL Level 7 | 1-1/8" | 11.9 |
| UL Level 8 | 1-3/8" | 14.9 |

Waco Composites emphasizes research and continuous testing to ensure the highest ballistic resisting performance available. A uniform resin-to-fiber ratio combined with the correct amount of pressure and heat during the curing process ensures the proper ply-delamination to provide a non-ricocheting, non-spalling encapture of ballistic projectiles.

ARMORCORE™ INSTALLED
IN WALL ASSEMBLY



▲ COURTROOM APPLICATION

The company is an active professional member of the American Institute of Architects, the Construction Specification Institute, the Associated General Contractors of America, the Architectural Woodwork Institute, the American Society for Industrial Security, and the Texas Society of Architects. Waco Composites is also a member of the American Institute of Architects PIA, Committee on Architecture for Justice, and an exhibitor at the AIA International Symposiums on Courthouse Design.

Our website at www.armorcore.com is a resource providing specifications, ArmorCore design applications, installation information, FAQ's, Architect's Education, and more. Documents, photos, video, and 3-D animation are all there to assist you in your understanding of our product, specifying our product, or requesting a quotation. Business affiliates and architectural sites are also available through www.armorcore.com to facilitate your research.

Waco Composites offers extensive technical and installation assistance to architectural woodworkers, drywall contractors, and general contractors who have the important responsibility of proper installation to ensure maximum ballistic protection. Price quotations are prompt and professional, lead-times are minimal, and freight costs are the lowest in the industry.



▲ RESIDENTIAL SAFEROOM



FEATURES

UL Listed (UL 752)
Non-Spalling
Lightweight

Levels 1-8
Easy to Install
Highest Quality

Non-Ricocheting
N I J Compliance
One-Hour Fire Rated

ArmorCore Level 3 panels carry a Class IV Forced Entry Protection rating in accordance with ASTM F1233-98.









COMMON DESIGN APPLICATIONS

Judge's Benches
Banks
Shooting Ranges
Check Cashing Areas
Lecterns & Furniture
Military Applications

Jury & Witness Stands
Police Stations
Data Centers
Embassies / Consulates
Airports
Pharmacies

Safe Rooms
Toll & Guard Booths
Convenience Stores
Medical Facilities
Armored Vehicles
Bullet Resistant Doors

ArmorCore has been specified in over 2,000 military vehicles and as a barrier against mortar rounds.

| Rating | Ammunition | Grain | (g) | Minimum fps | Velocity m/s | No. of shots | Paragraph |
|---|---|-------|------|----------------|-----------------|-----------------|-----------|
| Level 1  | 9 mm full metal copper jacket with lead core | 124 | 8 | 1175 | 358 | 3 | 4.3 |
| Level 2  | .357 Magnum jacketed lead soft point | 158 | 10.2 | 1250 | 381 | 3 | 4.4 |
| Level 3  | .44 Magnum lead semi-wadcutter gas checked | 240 | 15.6 | 1350 | 411 | 3 | 4.5 |
| Level 4  | .30 Caliber rifle lead core | 180 | 11.7 | 2540 | 774 | 1 | 4.6 |
| Level 5  | 7.62 mm rifle lead core full metal copper jacket, military ball | 150 | 9.7 | 2750 | 838 | 1 | 4.7 |
| Level 6  | 9 mm full metal copper jacket with lead core | 124 | 8.0 | 1400 | 427 | 5 | 4.8 |
| Level 7  | 5.56 mm rifle full metal copper jacket with lead core | 55 | 3.56 | 3080 | 939 | 5 | 4.9 |
| Level 8  | 7.62 mm rifle lead core full metal copper jacket, military ball | 150 | 9.7 | 2750 | 838 | 5 | 4.10 |
| Supplementary | 12-Gauge rifled lead slug and | 437 | 28.3 | 1585 | 483 | 3 | 4.11 |
| Shotgun | 12-Gauge 00 lead buckshot (12 pellets) | 650 | 42 | 1200 | 366 | | |

Maximum velocity is 110 percent of the minimum velocity



All ArmorCore products are rated by the above UL752 Standard for Bullet Resisting Equipment.
Please visit our website at www.armorcore.com for other ballistic standards that our panels comply with.

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Sweets.com