FEATURES

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 deform 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. More energy is consumed as the bullet penetrates the high-strength glass fibers. No spalling occurs.

MARKETS SERVED

| Teller Counters | Gas Station | Convenience Store | Pay Counters | Remote Electronic Building | Secure Rooms and Buildings | Judge Benches | Reception Areas |

INSTALLATION

- For cutting, carbide or ceramic grit saw blades are recommended. Use carbide tooling when drilling, spot facing, or counter boring
- Butt joints are weak. To reinforce, use 4” strip of same material. No rigid high-density material should be used adjacent to panel’s inner surface. Allow a minimum gap of 1/4”

BALLISTIC RATING

- U.L 752 / Level 6
- NIJ0108.01 Level II

STANDARDS

- UL-94 VO Flame Rating
- One Hour Fire Rating ASTM E119-98

AVAILABLE SHEET SIZES

| 3’ X 8’ | 3’ X 10’ | 4’ X 8’ | 4’ X 10’ |

Consult TSS representative for custom sheet

FIBERGLASS BR OPAQUE ARMOR

PRODUCT: BB-6

1. UL LISTED BULLET RESISTANT FG PANEL
2. BATTEN STRIP (CUT FROM FG SHEET)
3. STEEL OR WOOD STUDS
4. JOINTS BETWEEN FIBERGLASS TO BE KEPT TIGHT
5. DRYWALL

PROPERTIES & SPECIFICATIONS

<table>
<thead>
<tr>
<th>Nominal Thickness</th>
<th>LBS/SQ FT</th>
<th>Ballistic Data</th>
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<tbody>
<tr>
<td>3/8”</td>
<td>3.9</td>
<td>9 mm</td>
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<td>Vel. 2 = 1500 FT/S</td>
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Properties

Standard Color
Tensile Strength LW @ 25°C
Tensile Strength CW @ 25°C
Tensile Modulus AVG @ 25°C
Flexural Strength LW @ 25°C
Flexural Modulus LW @ 25°C
Compressive Strength @ 25°C
IZOD Impact Strength
Water Absorption
Specific Gravity
Tensile Strength
Coefficient of Thermal Expansion
Thermal Conductivity

TOTAL SECURITY SOLUTIONS

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