

Tyfo® Ballistic-Resistant (B.R.) Panels

DESCRIPTION

Tyfo® Ballistic-Resistant (BR) Panels are prefabricated laminated panels designed to stop bullets from penetrating a structure. Though they are hardened panels they perform in a similar manner to the soft body armor worn by police and military personnel. When struck by a projectile they absorb and dissipate the energy which prevents the bullet from traveling through the panels. Tyfo Ballistic panels provide National Institute of Justice Threat Level Three protection. The panels are available in aramid as well as S-2 glass constructions. A semi-flexible aramid panel is available for wall cavities or where corners/protrusions make installation of rigid panels difficult.

USE

Tyfo® B.R. Panels can be mounted to the interior or exterior of a structure to provide protection for the occupants. The standard panel will provide protection for firearms of calibers up to 7.62mm at 10 meters. Tyfo® B.R. Panels can be custom made to provide protection for larger caliber weapons. The panels are mechanically fastened and must be installed properly to provide the protection they are designed for. The panels must be protected from water ingress to ensure they will retain their properties.

ADVANTAGES

- Can be quickly installed by a small crew of technicians which allows for the rapid retrofit and ballistic protection of an existing structure.
- The lightweight nature makes them easy to handle and install; panels typically weigh less than 80 pounds

COVERAGE

Tyfo® B.R. Panels are fabricated in 4' X 8' (1.2m x 2.4m) sheets. These sheets can be cut in the field as necessary or can be ordered prefabricated in custom sizes.

STORAGE CONDITIONS

Store in a cool dry place. Do not expose to moisture, water or UV.

CERTIFICATE OF COMPLIANCE

- Will be supplied upon request.

HOW TO USE TYFO® B.R. PANELS

DESIGN

The Tyfo® B.R. Panel System shall be designed to meet specific design criteria. The criteria for each project is dictated by the engineer of record and any relevant design guidelines and/or building codes.

INSTALLATION

Tyfo® Blast Panels should be installed by Fyfe Co. LLC trained and certified applicators.

CAUTION!

Use respiratory and eye protection when cutting, sanding, drilling or routing.

FIRST AID

In case of skin contact of dust from Tyfo® BF panels, wash with soap and water. Seek medical attention if rash or persistent redness occur. For eye contact with dust, immediately flush with water to remove particles. If irritation is severe or is not promptly removed by washing, seek medical attention. For inhalation, move to fresh air.

SURFACE PREPARATION

The required surface preparation is largely determined by the conditions in the application area. For bonded applications the surface must be clean and dry and free of any protrusions that may interfere with applications. For mechanical installation the anchorages must be prepared according to typical standards.

LIMITATIONS

Ballistic Resistance is based upon testing and research of these materials per National Institute of Justice Standards. Failure to follow design and installation guidelines may cause the system to under perform. Threat levels must carefully be considered during design to provide the protection that is required.

**NOT FOR INTERNAL CONSUMPTION.
CONSULT MATERIAL SAFETY DATA SHEET (MSDS) FOR MORE INFORMATION.
KEEP OUT OF REACH OF CHILDREN.
FOR INDUSTRIAL USE ONLY.**

TYFO® BR PANEL (S-2) PROPERTIES

THREAT	PANEL AREAL DENSITY	PANEL THICKNESS
7.62 X 51mm, ball. 147gr. Steel Jacket, M80	11.03 lbs. per Square foot	1.04 inches (26.4mm)
7.62 X 39mm, Steel core Steel Jacket, AK-47	14.64 lbs. per square foot	1.40 inches (35.4mm)

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