



PRODUCT SPECIFICATION SHEET

UNI-DIRECTIONAL (UD) ARAMID PANELS

DESCRIPTION

Uni-Directional (UD) Aramid fabrics are used in a wide spectrum of ballistic protection applications. Such fabrics combine Aramid fibers in a flexible thermoplastic matrix that is capable of absorbing and dispersing high impact energy, such as energy from firearm projectiles.

The fabric used in our wall panels consist of Aramid fibers arranged Uni-Directional on a resin film. The fabric is arranged forming 90 degree angles, which alternate with each of the horizontal and vertical layers. These layers are then pressed to create a semi-rigid panel, which is lightweight and 5x stronger than steel at an equal weight.

The extremely thin profile and lightweight nature makes these panels ideal for discreet installation to new or existing construction and architectural projects. These panels can be custom cut prior to shipping or cut on-site with minimal effort and includes our proprietary bullet-resistant material used to cover seams and provide unequaled ballistic protection.



GENERAL INFORMATION

- Material: Rigid UD Aramid
- Size: Available in 5' x 4' sheets or can be custom cut
- Thickness: 0.125" (1/8")
- Weight: 1.1lb per square foot / 17.3lbs per panel
- Protection Level: NIJ Level IIIA / UL Level III

RATINGS

- Underwriters Laboratory 752 Level III
- National Institute of Justice (NIJ) Level IIIA



WHEN SECONDS CAN MEAN THE DIFFERENCE BETWEEN LIFE AND DEATH...
OUR PRODUCTS CAN PROVIDE THE MINUTES THAT MATTER THE MOST.

DIAMOND DEFENSE SYSTEMS

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