

Title (en)

MULTILAYER BALLISTIC PROTECTION PANEL

Title (de)

MEHRSCICHTIGE BALLISTISCHE SCHUTZPLATTE

Title (fr)

PANNEAU MULTICOUCHE DE PROTECTION BALISTIQUE

Publication

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Application

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Abstract (en)

[origin: WO2020035502A1] The invention relates to a multilayer ballistic protection panel (1) which comprises a stack of layers of fabric (2) woven with twisted polyester threads and layers of adhesive (3) made of polyethylene-based thermoplastic material (8) which are alternately interposed between the layers of fabric. The overall cohesion of the panel is ensured by the thermoplastic material that passes through the interstices (7) of the layers of fabric and links the adhesive layers together. The panel is preferably a compact laminated panel manufactured by hot pressing under high pressure. It can be used alone or in combination with steel or ceramic to produce bulletproof clothing and accessories and coatings for the walls of civilian or military vehicles or for armoured construction elements.

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