Title (en)

Panels with antinoise and antifragmentation properties on the basis of acrylic glass, process for their preparation and use thereof

Title (de)

Tafel mit Lärm- und Splitterschutzeigenschaften auf der Basis von Kunstglas, Verfahren zu ihrer Herstellung und Verwendung dafür

Title (fr)

Panneaux avec propriétés anti-bruit et anti-fragmentation sur la base de verre acrylique, leur processus de préparation et utilisation correspondante

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1936035A1] The present invention relates to panels on the basis of polymethylmethacrylate (so-called acrylic glass) with embedded reinforcing polymer monofilament fibres in the form of a three-dimensional fibre entanglement, wherein the reinforcing polymer fibres are embedded into the polymethylmethacrylate matrix in such a manner that they are oriented in all directions and distributed apparently uniformly in all directions, so that the fibres are apparently uniformly distributed essentially throughout the entire cross-section of the panel i.e. throughout its entire volume. Particularly, the present invention relates to polymethylmethacrylate panels with included polyamide fibers in the form of a three-dimensional fibre entanglement. The present invention also relates to a process for manufacturing such panels and to the use thereof, especially as antinoise elements along roads with good antifragmentation properties.

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Cited by

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