

Title (en)
INSULATING ELEMENT

Title (de)
DÄMMSTOFFELEMENT

Title (fr)
ELEMENT EN MATERIAU ISOLANT

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Application
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Abstract (en)
[origin: WO2006040046A1] The invention relates to an insulating element comprising a molded body, produced from mineral fibers, preferably rock wool, in the form of a sheet or web including two large surfaces that are spaced apart in parallel and interlinked via lateral surfaces. Said lateral surfaces are aligned at a right angle in relation to each other. The mineral fibers extend substantially at a right angle to the large surfaces and therefore substantially in parallel to the lateral surfaces so that the compressive strength of the molded body in the direction of the normal to the surface of the large surfaces is higher than the compressive strength of the molded body in the direction of the normal to the surface of the lateral surfaces. The aim of the invention is to improve an insulating element of the aforementioned type so as to avoid the disadvantages described in the prior art and to provide an insulating element that can be simply assembled with adjacent insulating elements in a flush manner and that is tight and dimensionally stable especially in case of fire. For this purpose, molded elements (6) are arranged on at least one lateral surface (4), especially on two opposite lateral surfaces (4). Said molded elements (6) have a compressive strength in the direction of the normal to the surface of the large surfaces (3) that is lower than the compressive strength of the molded elements (6) in the direction of the normal to the surface of the lateral surfaces (4) on which the molded elements (6) are arranged.

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