

Title (en)
FIXING ELEMENT FOR INSULATION MATERIAL

Title (de)
DÄMMSTOFFHALTER

Title (fr)
FIXATION POUR MATERIAU ISOLANT

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Application
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Abstract (en)
[origin: WO02068832A1] The invention relates to a fixing element (1) for insulation material for fastening insulation elements on a support. Said fixing element comprises a dowel (10) with a dowel shaft (11) having an axial passage (12) on whose one end a expansible zone (S) is configured and onto whose other end a flange-type pressure plate (13) is formed. An extended shaft section (14) is configured in the transition section from the flange-type pressure plate to the dowel shaft. Said shaft section has a receiving chamber that is coaxial to the longitudinal axis (X) of the dowel and has a diameter that is larger than the axial passage, thereby forming an annular support surface (142) enclosing the axial passage. A pin (2) can be inserted in the dowel to expand the expansible zone. Said pin has a pin shaft (22) and a head (21), said head being insertable in the receiving chamber of the dowel and being provided with a plastic cap (3) so as to fill out the receiving chamber. The cap of the pin is configured on both its ends with one cylindrical shoulder (37, 38, 21, 218) each, having identical outer diameter for guiding the pin when it is inserted in the receiving chamber of the dowel and has at least one interposed recess (33, 213). The cap of the pin, on the front face (39, 219) configured by the shoulder (38, 218) facing the pin shaft has a counter-bearing for receiving axial forces once the pin is inserted in the receiving chamber of the dowel and guarantees that the pin rests against the bearing surface of the shaft element of the dowel.

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