

Title (en)

METHOD OF MANUFACTURE OF THE FACADE THERMAL INSULATION FINISHING ELEMENT

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES WÄRMEDÄMMENDEN FASSADENABSCHLUSSELEMENTS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN ÉLÉMENT DE FINITION D'ISOLATION THERMIQUE DE FAÇADE

Publication

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Application

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Abstract (en)

[origin: EP4033048A1] The invention relates to a method of manufacturing a thermal insulation finishing element for the insulation and decoration of building facades. Several perforated metal strips (3) are first inserted into the thermal insulation board (2) for fixing the thermal insulation board (2) to the facade of the building. The perforated fastening strips (3) are inserted across the board (2) and are directed from the inner side of the board (2) at an angle of 45° diagonally downwards along the entire thickness of the plate (2). The protruding ends of the perforated fastening strips (3) are bent so that the inner end (3a) of the perforated fastening strip (3) is directed vertically upwards, the outer end (3b) of the perforated fastening strip (3) having a right-angled part (3c) is directed vertically downwards, and a portion (3c) of the end (3b) engages the thermal insulation board (2). A cementitious mixture containing cement, sand, basalt fiber, pigment, hydrophobizing additive, deaeration promoter, plasticizer, water is then prepared. The mixture is poured into paraffin-coated PVC moulds and vibrated. A thermal insulation element (2) with pre-inserted perforated fastening strips (3) is placed on the pre-vibrated mass, and a pressure of 0.4-1.0 MPa is applied to connect the outer surface of the board with the mixture to form an integrated 8-15 mm thick finishing layer (4). The product is dried in the mould, then removed from the mould and finally dried.

IPC 8 full level

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