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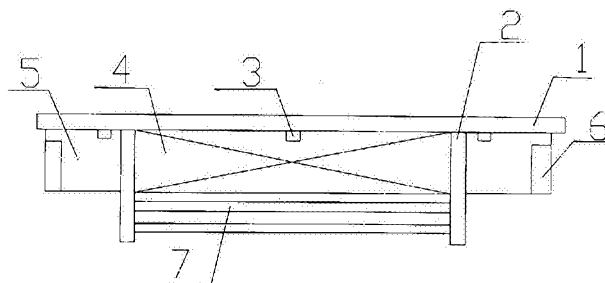
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(54)

DAMP-PROOF DECORATING MATERIAL PLATE.

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The present invention relates to the technical field of material plates, and in particular to a damp-proof decorating material plate. The damp-proof decorating material plate comprises a vermiculite particle plate, two insertion plates are mounted on the lower surface of the vermiculite particle plate, and the lower surface of the vermiculite particle plate is further provided with a heat insulation plate. At least one board block is connected between the heat insulation plate and the vermiculite particle plate and evenly disposed on the vermiculite particle plate. Inclined ribs and a foaming cement plate are arranged between the insertion plates, and the heat insulation plate is provided with insertion grooves close to two sides. The decorating material plate according to the present invention is compact in structure, high in self-cleaning capability, weather resistance and damp resistance, smoother on the whole and very good in heat insulation effect, and the phenomenon of separation and falling does not occur easily.



BACKGROUND

5 **Technical Field**

The present invention relates to the technical field of material plates, and in particular to a damp-proof decorating material plate.

Related Art

10 Granite plates in various colors are very good decorating materials; however, the granite plates are high in price and are radioactive. Simulated granite device plates become important stone substitutes due to their attractiveness, no radioactivity and low price. Most of simulated granite presents a granite effect by using a coating such as mineral varnish to spray a paint layer with a certain
15 thickness. Although ordinary granite plates can achieve a good decoration effect, the surface smoothness is not enough, so that the overall decoration effect of the ordinary granite plates is affected; meanwhile, the ordinary granite plates lack heat insulation performance to some extent and are complex to install and unstable in connection performance, and the phenomenon of falling off possibly occurs.

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Summary

Against the shortcomings in the prior art, the objective of the present invention is to provide a damp-proof decorating material plate.

25 In order to achieve the aforementioned objective, the following technical solution is adopted according to the present invention:

A damp-proof decorating material plate, comprising a vermiculite particle plate, wherein two insertion plates are mounted on the lower surface of the vermiculite particle plate, the insertion plates are vertically disposed on the lower surface of the vermiculite particle plate, and the tops of the insertion plates are embedded and
30 arranged in the vermiculite particle plate; the lower surface of the vermiculite

particle plate is further provided with a heat insulation plate; the bottoms of the insertion plates penetrate the heat insulation plate to extend on the outer side of the lower surface of the heat insulation plate; at least one board block is connected between the heat insulation plate and the vermiculite particle plate and evenly disposed on the vermiculite particle plate; inclined ribs and a foaming cement plate are arranged between the insertion plates, the two ends of the foaming cement plate are fixed to the insertion plates and connected with the insertion plates through steel strips, and the heat insulation plate is provided with insertion grooves close to two sides.

Preferably, the surface of the heat insulation plate is provided with a plurality of cross grooves, and the heat insulation plate is an EPS heat insulation material plate.

Preferably, insertion tenons are connected between the board block and the vermiculite particle plate.

Preferably, the thickness of the foaming cement plate is 4 to 6 cm.

Preferably, the foaming cement plate comprises a decorative finish layer and an enhancement layer.

By adoption of the aforementioned solution, the decorating material plate according to the present invention is compact in structure, high in self-cleaning capability, weather resistance and damp resistance, smoother on the whole and very good in heat insulation effect, and the phenomenon of separation and falling does not occur easily.

Brief Description of Drawings

FIG. 1 is a structural schematic diagram of an embodiment of the present invention.

Description of Embodiments

Embodiments of the present invention are described in detail below by combination with accompanying drawings, but the present invention can be

implemented by multiple different modes limited and covered by the claims.

As shown in FIG. 1, a damp-proof decorating material plate provided by an embodiment of the present invention comprises a vermiculite particle plate 1, wherein two insertion plates 2 are mounted on the lower surface of the vermiculite particle plate 1, the insertion plates 2 are vertically disposed on the lower surface of the vermiculite particle plate 1, and the tops of the insertion plates 2 are embedded and arranged in the vermiculite particle plate 1; the lower surface of the vermiculite particle plate 1 is further provided with a heat insulation plate 5; the bottoms of the insertion plates 2 penetrate the heat insulation plate 5 to extend on the outer side of the lower surface of the heat insulation plate 5; at least one board block 3 is connected between the heat insulation plate 5 and the vermiculite particle plate 1 and evenly disposed on the vermiculite particle plate 1; inclined ribs 4 are arranged and fixed between the two insertion plates 2; a foaming cement plate 7 is also arranged between the insertion plates 2, the two ends of the foaming cement plate 7 are fixed to the insertion plates 2 and connected with the insertion plates 2 through steel strips, and the heat insulation plate 5 is provided with insertion grooves 6 close to two sides. Based on the aforementioned structure, the damp-proof decorating material plate according to the present invention is compact in structure, high in self-cleaning capability, weather resistance and damp resistance, smoother on the whole and very good in heat insulation effect, and the phenomenon of separation and falling off does not occur easily.

In order to improve the heat insulation effect, as a preferred solution, the surface of the heat insulation plate 5 of this embodiment is provided with a plurality of cross grooves. The cross grooves can facilitate the connection with other components, and the heat insulation plate 5 is an EPS heat insulation material plate.

For closer connection and good fixity, insertion tenons 6 are connected between the board block 3 and the vermiculite particle plate 1 in this embodiment.

To make the design more reasonable, the thickness of the foaming cement plate 7 in this embodiment is 4 to 6 cm.

To closely combine attractiveness and structural performances, the foaming cement plate 7 in this embodiment comprises a decorative finish layer and an enhancement layer.

5 What is described above is merely a preferred embodiment of the present invention and does not accordingly limit the patent scope of the present invention. Equivalent structures or equivalent process transformations which are performed by utilizing the specification and accompanying drawing contents of the present invention are directly or indirectly applied to other relevant technical fields and shall be included within the patent protection scope of the present invention in a similar
10 way.

Revendications

1. Plaque de matériau de décoration résistant à l'humidité, comprenant une plaque (1) de particules de vermiculite, dans laquelle deux plaques (2) d'insertion sont montées sur la surface inférieure de la plaque (1) de particules de vermiculite, les plaques (2) d'insertion étant disposées verticalement sur la surface inférieure de la plaque (1) de particules de vermiculite, et les sommets des plaques (2) d'insertion sont encastrées et disposées dans la plaque (1) de particules de vermiculite ; la surface inférieure de la plaque (1) de particules de vermiculite est en outre pourvue d'une plaque (5) d'isolation thermique ; les fonds des plaques (2) d'insertion pénètrent dans la plaque (5) d'isolation thermique pour s'étendre sur le côté extérieur de la surface inférieure de la plaque (5) d'isolation thermique ; au moins un bloc à carte (3) est connecté entre la plaque (5) d'isolation thermique et la plaque (1) de particules de vermiculite et est disposé uniformément sur la plaque (1) de particules de vermiculite ; des nervures inclinées (4) et une plaque (7) de ciment expansé sont disposées entre les plaques (2) d'insertion, les deux extrémités de la plaque (7) de ciment expansé sont fixées aux plaques (2) d'insertion et sont reliées aux plaques (2) d'insertion par des bandes d'acier, et la plaque (7) d'isolation thermique est pourvue de rainures (6) d'insertion proches des deux côtés.
2. Plaque de matériau de décoration résistant à l'humidité selon la revendication 1, dans laquelle la surface de la plaque (5) d'isolation thermique est pourvue d'une pluralité de rainures transversales, et la plaque (5) d'isolation thermique est une plaque d'isolation thermique en un matériau de PSE.
3. Plaque de matériau de décoration résistant à l'humidité selon la revendication 1, dans laquelle des pivots enfichables sont connectés entre le bloc à carte (3) et la plaque (1) de particules de vermiculite.
4. Plaque de matériau de décoration résistant à l'humidité selon la revendication 1, dans laquelle l'épaisseur de la plaque (7) de ciment expansé est comprise dans la gamme de valeurs allant de 4 à 6 cm.
5. Plaque de matériau de décoration résistant à l'humidité selon la revendication 1, dans laquelle la plaque (7) de ciment expansé comprend une couche de finition décorative et une couche d'amélioration.

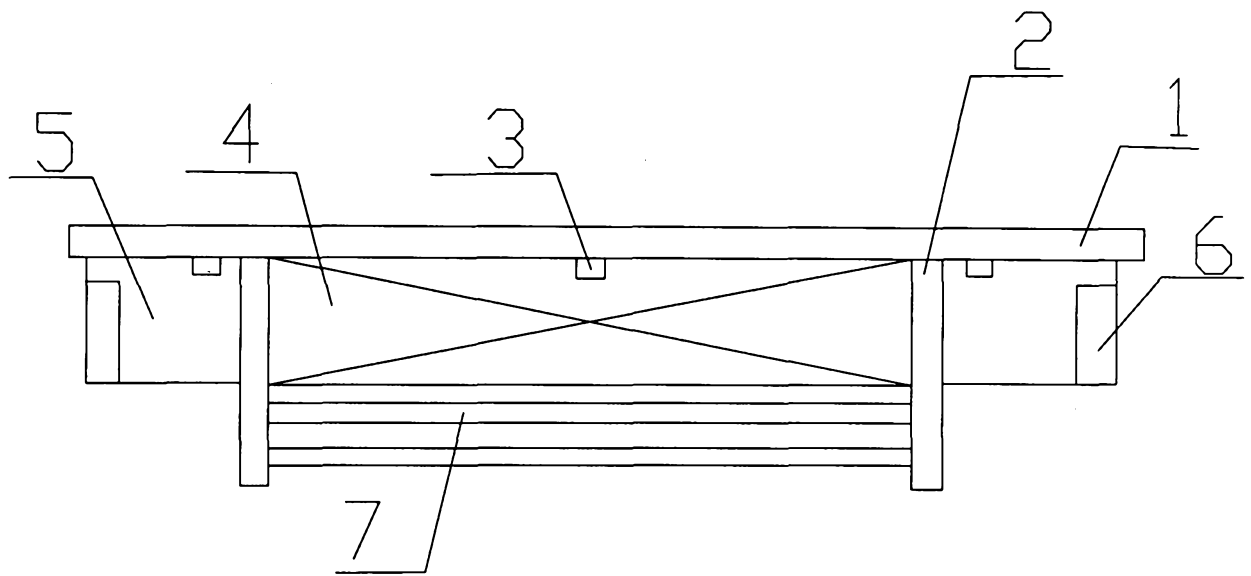


FIG. 1

ABSTRACT

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DAMP-PROOF DECORATING MATERIAL PLATE

5 The present invention relates to the technical field of material plates, and in particular to a damp-proof decorating material plate. The damp-proof decorating material plate comprises a vermiculite particle plate, two insertion plates are mounted on the lower surface of the vermiculite particle plate, and the lower surface of the vermiculite particle plate is further provided with a heat insulation plate. At least one board block is connected between the heat insulation plate and the vermiculite particle plate and evenly disposed on the vermiculite particle plate. Inclined ribs and a foaming cement plate are arranged between the insertion plates, and the heat insulation plate is provided with insertion grooves close to two sides. The decorating material plate according to the present invention is compact in structure, high in self-cleaning capability, weather resistance and damp resistance, smoother on the whole and very good in heat insulation effect, and the phenomenon of separation and falling does not occur easily.

FIG.1