Magnetic Construction

Construction Material



磁性建材 Magnetic Construction Material

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常見的磚、板等等建材,是現代建築裝潢中不可或缺的一部分,可見之處,不勝枚舉。唯當需在建材表面鉤掛物品時,都必須在建材表面鑽孔或開洞、或者以黏性貼片配合應用。

當建材在表面鑽孔或開洞後,不僅在施工方面產生困 擾與麻煩、還會破壞建材的表面,使美麗盡失,而且還會 造成外觀上的缺陷,被破壞後就無法還原,造成無法彌補 的遺憾。再者,以黏性貼片實施,會造成清除不易,或清 除後殘留痕跡,同樣也會使美麗的外觀徒留遺憾;除此之 外,在使用時還會因建材或黏性材質的質量問題,而無法 有效固定。

本設計利用磁體與建材的配合概念,能將金屬材質或 含有金屬成份的物體迅速吸附在建材表面,解決了傳統建 材為設置五金配件,而破壞表面的困擾,也避免黏性材質 不易牢貼的問題,同時可達到易於製作、省時、省力、美 觀、及便於取用的效果。

一、特點:

- 1.易於施作
- 2.表面可配合裝潢,不影響磁吸功能
- 3.施作後依舊美觀,不會影響裝潢
- 4.成本低、技術門檻不高、有利於快速推廣
- 5.堆疊及搬運的過程中,能避免磁體受到碰撞或損傷
- 6.磁吸範圍大,方便使用者易於定位與取用物品

二、技術手段:

1.建材:為壁磚、或是地磚。

2.磁體:結合在建材背面、或是隱藏在建材內,使建

材正面具有磁吸作用。

3.金屬片:與磁體結合在建材背面、或是隱藏在建材

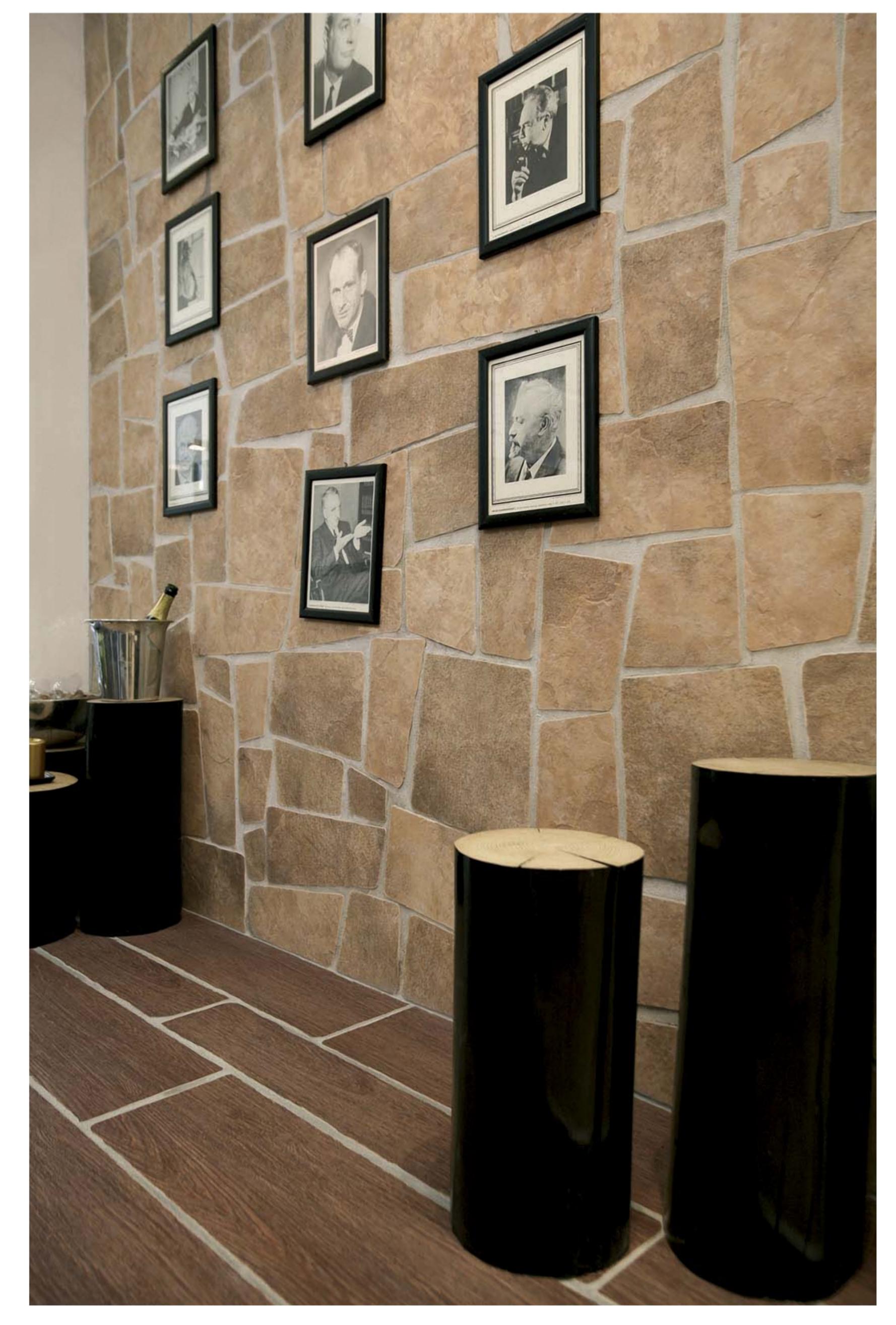
內,以達到擴大磁吸面積的作用。



Bricks and boards are commonly used and indispensible construction materials in modern architecture and decoration. However, when something has to be hung or hook on the surface of the construction material, it is usually necessary either to drill or open holes, or to use the sticky pad on the surface of the construction material.

When the construction material is drilled or opened with hole on its surface, not only the work itself is burdensome, but also it destroys the beauty and integrity of the material's outlook by inflicting regrettable permanent defect to the material. Furthermore, when sticky pad is employed, it will cause the issue of difficulty of removal, or even if it is removed, certain residue might be left over with similarly regrettable result to the beautiful appearance of the target; besides, during the utilization period, effective fixation is usually a problem due to the quality of the construction or sticky material.

In this design, magnetic body is associated with the construction material so that objects containing metallic material or composition can



be quickly adsorbed on the surface of the construction material, hence, the ultimate solution for the problem of surface damage on traditional construction materials when metallic hardware installation is necessary. Meanwhile, the problem of adhesive difficulty of the sticky material may also be worked out with this easy-to-set-up, time-and-labor saving, good- looking and user-friendly product.

I.Features:

- 1.Easy to set up.
- 2.Surface of the construction materials can comply with the decoration and the magnetic attraction function won't be affected.
- 3. The beauty of the construction material's outlook remains intact after set up.
- 4.Low cost, low technical barrier, and is good for fast and widespread use.
- 5. The collision and damage of magnetic body can be avoided in stacking and moving process.
- 6.The expanded magnetic attraction area facilitates the user for easy positioning and access of the objects.

II.Technical requirements:

- 1.Construction material: wall tile or floor tile.
- 2.Magnetic body: placed at the backside of the construction material or concealed within the construction material so that the front side of the construction material may be empowered with magnetic attraction effect.
- 3.Metallic piece: associated with the magnetic body at the backside of the construction material or within the construction material so as to achieve the effect of expanding the magnetic attraction area.



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