Magnetic Glass Board

Field of Invention

The invention relates generally to a surface for writing and drawing. More particularly, the invention relates to a magnetic glass board having a double-sided magnetic glass board with lighting means.

Background of the Invention

A blackboard or chalkboard is a reusable writing surface on which text or drawings are made with chalk sticks of calcium sulphate or calcium carbonate, known, when used for this purpose, as chalk. Blackboards were originally made of smooth, thin sheets of black or dark grey slate stone. Modern versions are often green because the color is considered easier on the eyes. The costs associated with consumable writing, it is desirable for the writing surface to permit the surface to be periodically erased or cleared such that the surface may be reused at any time.

The chalk may be removed from the surface of the chalkboard with a variety of mechanisms such as a felt eraser or a rag. The chalk produces dust, the amount depending on the quality of chalk used. Some people find this uncomfortable or may be allergic to it, and according to the American Academy of Allergy, Asthma and Immunology (AAAAI), there are links between chalk dust and allergy and asthma problems. The dust also precludes the use of chalk in areas shared with dust-sensitive equipment such as computers. Further the scratching of fingernails on a blackboard, as well as other pointed, especially metal objects against blackboards produces a sound that is well known for being extremely irritating to most

people. Many are averse also to merely the sight or thought of this sort of contact.

A conventional dry erase board as opposed to a chalkboard overcomes the above mentioned objections. The board is generally white in color, hence the name. These boards are fabricated by applying a porcelain coating on a steel sheet. Because of the steel in the dry erase board, it is possible to removably attach objects to the surface of the dry erase board using magnets.

A marker is typically used in conjunction with the dry erase board. The marker contains ink that is visible when placed on the dry erase board but which may be removed from the dry erase board using an eraser or cloth. Unlike chalk, the ink used in the dry erase marker does not generate dust when being applied to the dry erase board or when being wiped off of the dry erase board.

The nature of the materials used in fabricating dry erase boards, it may not be possible to completely erase the dry board, especially where the writing or drawing has been on the dry erase board for an extended period of time, as a portion of the pigment in the dry erase ink becomes permanently absorbed in the surface of the dry erase board. This inability to completely erase the dry erase board may reduce the ability to see text or images that are subsequently placed on the dry erase board.

Further, the traditional glass board or writing board cannot be used to stick notes, or other clippings. Therefore, it is common to see two separate boards for the purpose in a setting such as classroom.

Accordingly, there is a need for a board, which overcomes the limitations of the existing boards.

Summary of the Invention

The present invention has been made in the view of the above problems, and it is an object of the present invention to provide a magnetic glass board.

A magnetic glass board comprising a first glass sheet, a first metal sheet and a wood, aluminum or plastic sheet, having an inner surface and outer surface. An adhesive layer is applied between the first glass sheet, first metal sheet and the inner surface respectively.

A two-sided magnetic glass board is disclosed. In addition to first glass sheet and first glass metal sheet, further having a second glass sheet, a second metal sheet. An adhesive layer is added between the second glass sheet, a second metal sheet and another adhesive layer added between the first wood, aluminum or plastic sheet and metal sheet. This serves the purpose to use the board on two sides rather than one side.

Brief Description of drawings

Other objects, features, and advantages of the invention will be apparent from the following description when read with reference to the accompanying drawings. In the drawings, wherein like reference numerals denote corresponding parts throughout the several views:

FIG. 1 is a sectional view of the magnetic glass board; and
FIG. 2 is a sectional view of the two-sided magnetic glass board.

Detailed Description of the Preferred Embodiments

Reference will now be made in detail to the preferred embodiments of the present invention, examples of which are illustrated in the accompanying drawings.

Referring to figure 1, it discloses about the section or side view of magnetic glass board (100) according to the present invention. The glass board contains a glass sheet (101), a metal sheet (102) and a first wood, aluminum or plastic sheet (103) having an inner surface (103a) and outer surface (103b). An adhesive layer (104) added between the glass sheet (101) and metal sheet (102) and adhesive layer (~~104~~105) added between the first wood, aluminum or plastic sheet (103) and metal sheet (102).

The magnetic glass board (100) thereby provides a surface on which text and drawings may be readily placed thereon and removed there from as well as enabling objects to be removably attached thereto using magnets.

In certain embodiments, the glass sheet (101) is an amorphous solid (non-crystalline) material that exhibits a glass transition, which is the reversible transition in amorphous materials. The glass sheet (101) is colored or transparent one. The color can be from selective color from violet, orange, blue and white and the like.

Referring to figure 2, it discloses a two-sided magnetic glass board (200). In addition to first glass sheet (101) and first glass metal (102) of figure 1 further having a second glass sheet (201), a second metal sheet (202). An adhesive layer (203) added between the second glass sheet (201), a second metal sheet (202) and another adhesive layer (204) added

between the first wood, aluminum or plastic sheet (103) and metal sheet (102). This serves the purpose to use the board on two sides rather than one side.

The metal sheets (102, 204) enable objects to be removably mounted with respect to the magnetic glass board (100, 200) using magnets. The appropriate type and size of magnet may be selected based upon a variety of factors such as the thickness of the glass sheet (101, 201) and the weight of the object that is to be mounted on the magnetic glass board (100, 200). In certain embodiments, the magnets must be relatively strong because of the thickness of the glass sheet (101, 201). Examples of relatively strong magnets they may be used in conjunction with the magnetic glass board are rare earth magnets.

The present embodiments is, therefore, to be considered as merely illustrative and not restrictive, the scope of the invention being indicated by the claims rather than the foregoing description, and all changes which come within therefore intended to be embraced therein.

Claims

1. A magnetic glass board (100) comprising:

a first glass sheet (101);

a first metal sheet (102);

a second glass sheet (201);

a second metal sheet (202) and

a wood, aluminum or plastic sheet (103) having an inner surface (103a) and outer surface (103b);

wherein an adhesive layer (104, 105) is applied between the first glass sheet (101), first metal sheet (102) and the inner surface (103a) respectively and an adhesive layer (106, 107) is applied between the second glass sheet (201), the first metal sheet (202) and the outer surface (103b) respectively.

2. The magnetic glass board (100) of claim 1, wherein the first glass sheet (101) is a colored glass.

3. The magnetic glass board (100) of claim 1, wherein the first metal sheet (102) is coated with predetermined color.

~~4. The magnetic glass board (100) of claim 1, further comprising a second glass sheet (201), a second metal sheet (202).~~

~~5.~~4. The magnetic glass board (100) of claim ~~4~~1, ~~further comprising a second glass sheet (201), a~~ wherein the second metal sheet (202) is mounted on the outer surface (103b) of the wood or plastic surface (103).

~~6. The magnetic glass board (100) of claim 5, wherein the~~ wherein an adhesive layer (106, 107) is applied between the second glass sheet (201), first metal sheet (202) and the outer surface (103b) respectively.