

Finished product wood veneer of new Hanging installation method

Yuan lin , Yi xin

School of Design and Arts, Beijing Institute of Technology , Beijing 100081, China.

School of Materials Science and Engineering, Northeast Forestry University, Harbin, 150026, China

yuanlin0606@126.com

774825563@qq.com

Keywords: Finished product wood veneer, Hanging installation, Metal parts.

Abstract. Finished product wood veneer hanging installation method is a kind of metho to using metal keel and hang on the wall to install finished product wood veneer, it leaves out the base plate of the conventional method in the construction, also can realize the replacement of thin veneer on the surface, and to reduce indoor air pollution in traditional installer.

1 Introduction

Wood veneer is a kind of interior wall surface decoration, with metope brick, wall paper and emulsioni paint, stone and so on are common indoor metope adornment material. And wood veneer with its biomass material peculiar environment and visual physical quantities, in the modern interior decoration is more and more important. In addition wood veneer in interior design are widely used in a lot of kind of styles, so the wood veneer is important carrier of style and feature.

The wood veneer indoor metope adornment construction is divided into two ways: one is done in the construction site from basic wood do surface finish; Another is in the factory according to measuring the size of the finished wood and finish in advance, and then to the scene will hang the finished wood veneer installed on a base board. Finished product wood veneer due to finish production in the factory, so the products of good quality, the construction speed is quick, the indoor environment pollution little and more environmentally . The finished wood acts the role of the market share increase year by year.

2 Suspension of finished product wood veneer installation method and current problems

2.1 the present stage of finished product wood veneer hanging installation method

Finished product wood veneer in the existing technology on wall facade installation on the wall roughness requirement is very high, most of the flatness of metope can not satisfy the demands of the wooden panel mounted, so need to be in a layer of woodiness metope installed base plate for the leveling and the fixed of widgets on the surface of metope, the basal plate usually use joinery board or multilayer plywood. When wood veneer surface hanging installation using MDF widget is combined with polyurethane foam rubber is installed on the leveling of the base plate in advance.

2.2 finished product wood veneer hanging installation problems in the present stage of

In the process of surface installation, polyurethane foam rubber in use process is easy to fall in wood veneer on the surface, the surface paint is polyester resin and polyurethane foam rubber easily produces chemical reaction, thus cause irreparable damage to the wooden surface. In another, MDF widget and wooden base plate volatile gas pollution, but also can cause serious damage to the indoor environment. People need to use a kind of no damage to decorate the health environment, and will not bring room living environment destroy metope adornment building materials suspension method.

In addition, the use of finished product wood veneer on the market suspension method, MDF widget is the connection between wood veneer surface to base plate mounted and polyurethane foam adhesive. After installation, the wood veneer surface board unable to take off complete. No matter

what kind of building decoration materials have their own life, when the ceramic tile, marble, gypsum board, aluminous gusset plate, plastic, wood and plastic composite material wallboard, diatom ooze decorative building materials for decoration such as breakage, deformation, aging, or color, you need to replace decorative building materials. And at this stage of finished product wood veneer suspension method cannot satisfy the disassembly of plate on the surface, forcibly remove will lead to the existing problems such as the damage of plate on the surface or wall damage, will be largely raise the cost of decoration and late for maintenance cost of wood veneer. Decorate in the household decoration and construction engineering today, more and more fashionable and personalized, architectural decoration appeared the trend of pursuing new and change, on their wedding decoration, store decoration, move reshaping, hotel renovation when people expect more shorten the construction period and at any time according to the need to replace metope adornment building materials, it is more in need of a new method of hanging wall wood veneer.

In short, at present not only the lack of a new method of hanging metope adornment building materials, to overcome to decorate the environment pollution or destruction; Also lacks a finished product wood veneer suspension method, which can be according to the need of metope adornment building materials for easy replacement of finished product wood veneer suspension method.

3. New methods of wood veneer hanging installation

3.1 The basic principle of the new method of wooden panel hanging installation

Wood veneer board hanging install new way is by using horizontal metal keel to metope leveling, activity type clapboard metal parts installation (surface don't nail glue), realize the arbitrary and dismantling change the surface material and repeated use of basic materials; At the same time omit clapboard installed base (base material is joinery board without finishing), reduce the dosage of man-made board per unit area inside the bedroom; Reduce the decoration of indoor pollution.

3.2 The main components of the wooden panel hanging installation in the new method

Wood veneer main components including leveling keel of hanging installation, connection to hang two parts, shown in figure 1 of the top two parts are in metope full installation wall leveling effect; After two parts are segmented using is mainly used for surface mounting plate and other materials on the surface.

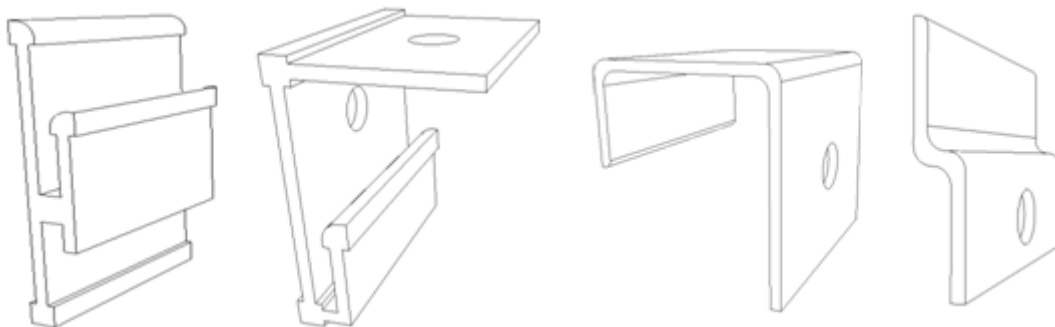


Fig. 1 main components of wood veneer hanging installation

3.3 The construction steps of wooden panel hanging installation construction method

The wooden panel hanging installation construction method include: Steps one: on the wall to drill holes in different heights; Second step, put the embedded parts embedded in the drill hole, described in the embedded parts for solid wood, plastic wedge, wedge bolt or expansion bolt; Step three, the components, which can be used for wall leveling material, described in figure 1, fixed on the embedded parts which was described in step two; Step four, installing metal parts, corresponding position on the back of the wood veneer on the surface, described in figure 1, connected by self-drilling screw; Step five, Installation skirting board profiles is hanged in the lowest place. At the top, installed the eaves board and adjust the eaves board for the ceiling with a bolt; Step six, between the skirting board and eaves board, install components wood veneer in bottom-up order. In the installation of the above mentioned methods involved the skirting board and eaves board. If no eaves board in the design, in the condole top construction, we need to set aside movement clearance in

wood veneer hanging installation process. Specific steps are shown in figure 2.

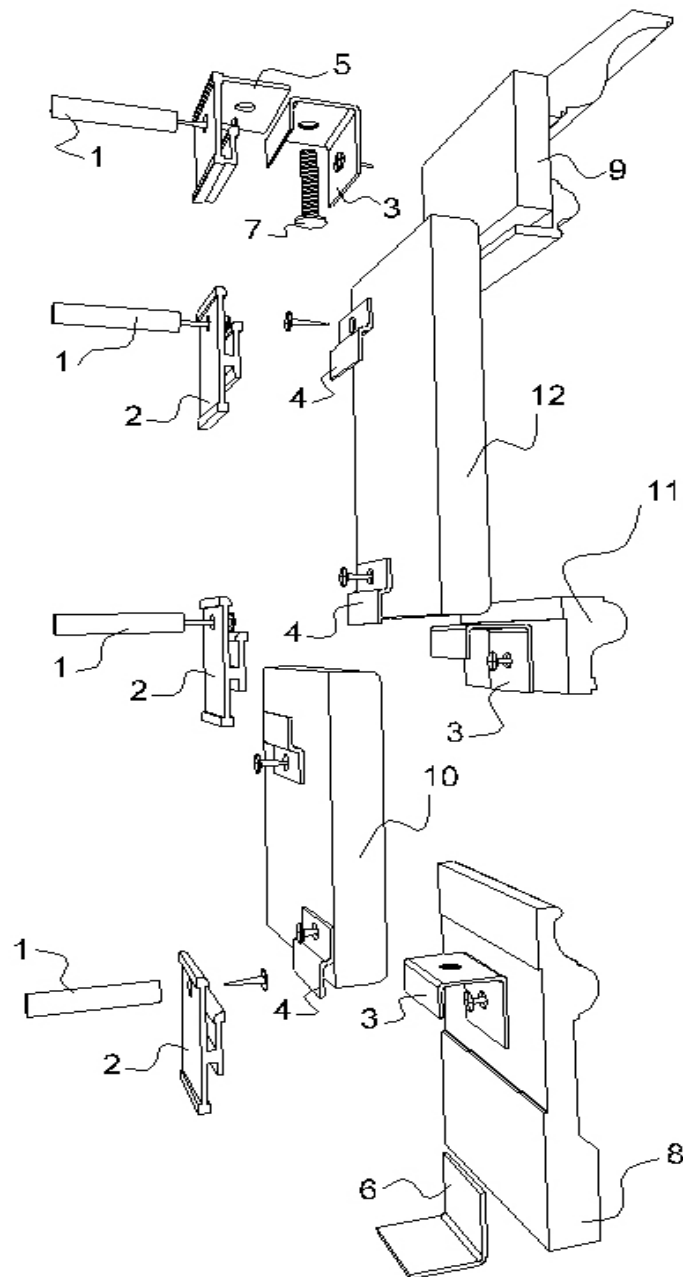


Fig. 2 The construction steps of wooden panel hanging installation construction method
Reference meaning in the figure below: 1. The embedded parts; 2. H form profiles accessories; 3. C shape hook pieces; 4. Z insert; 5. G shape profile knob; 6. Block; 7. The screw; 8. Skirting board; 9. Eaves board; 10. Low decorative board 11. The waist line; 12. Top decorative board.

Summary

On the wooden panel hanging installing new methods of assessment, compared with the traditional way mainly shows several advantages:

- [1] Between eaves board and condole top, can be realized through the adjustment of the bolt to the top line and the top surface Between the top line and condole top, can be realized through the adjustment of the bolt to the top line and the top surface
- [2] Use a metal keel leveling makes more precise leveling, at the same time reduce the use amount of indoor man-made board from the installation of the base plate.

- [3] Connected metope and veneer by metal keel, greatly reduce surface plate and metope spacing, reduce the footprint of interior space.
- [4] No using of the polyurethane foam rubber and MDF widget, reduce indoor air pollution.
- [5] Overcome the problem that the installed wood veneer is not easy to change.

In a word, the new construction method of the wooden veneer hanging installation, not only convenient to construct, accurate installation, occupy less space, but also for less indoor air pollution. But the most important thing is that it is easy to be carried out on the surface plate replacement and convenient for maintenance.