

Analysis on the development of building decoration materials and the key points of interior decoration design based on the working process

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Abstract: As an integral part of the development of the construction industry, building materials in interior design have attracted more and more attention. Only by innovative research and keeping pace with the times can we ensure that building materials move towards sustainable development and that interior design meets the requirements. With the development of science and technology and the improvement of people's living standards, the types and properties of building decoration materials have also changed greatly and become more and more diverse. Applying different kinds and properties of decorative materials indoors can increase aesthetic feeling. Building decoration materials are the main material support for interior design. The purpose of beautifying interior design can be achieved by connecting the actual situation and reasonable selection of decoration materials. Based on the work process, this paper starts with the development of building decoration materials and discusses several key issues of interior design of modern architecture.

1. Introduction

The application of building decoration materials in interior design is more and more extensive. However, in the current building materials market, decorative materials are not only various, but also different. At the same time, the development of the construction industry is also a thousand miles away, becoming the necessities of people's life, coupled with the change of people's ideas, people's requirements for interior design of buildings are also getting higher and higher [1]. By studying the history of human architectural decoration, we can know that the level of architectural decoration design marks the development level of social science and technology civilization, and the development of architectural decoration materials plays a vital role. Architectural decoration design serves the human society. Only paying attention to people-oriented can we promote the practicability of decoration materials and improve their performance, thus providing conditions for the sustainable development of architectural decoration design [2]. Interior decoration design is not only an important link in building development, but also the only way to meet people's diversified demands for buildings. Reasonable choice of decoration materials is an important guarantee for simplification of interior design. With the continuous development of social science and technology, various building decoration materials that conform to the principles of people-oriented and sustainable development are constantly emerging. Their better environmental protection performance, green health performance and sustainable recycling will greatly promote the steady development of Chinese building decoration design industry.

2. Development of Building Decoration Materials

2.1 Durability of building decoration materials

According to the usage and its own characteristics, corresponding measures can be taken to improve the compactness of the material itself to enhance the resistance. Reliability of materials and products in use. Among decorative materials, stone can be said to be a material with a long history [3]. Because of its own high strength, wear resistance, durability, relatively high aesthetics, and high efficiency and quickness in obtaining materials; So that it can be widely used in related interior design. There are many materials involved in the decoration materials. They should be used in

different places in the building. If the decoration design meets the standards, then the appropriate decoration materials are the focus of solving the problem. For example, Japan has given great attention to the durability of concrete, and the reaction research of lightweight aggregate concrete alkali aggregate in super high-rise buildings; it has lower cost and better application effect than traditional building decoration materials. However, no matter how it changes, the current changes in materials are inseparable from the realization of the concept of energy conservation and environmental protection.

2.2 Functional aspects

Including environmental function and use function, a good indoor environment does not simply refer to the surface decoration treatment of wall surface, ground surface and top surface. But how to organically combine interior decoration with space to form an overall artistic effect [4]. Compared with stone, wood has beautiful appearance and elasticity, and at the same time, because it grows in natural environment, it can adjust indoor temperature effectively correspondingly and has certain heat preservation performance. The interior design process is complicated. Practical materials can simplify the decoration process and achieve the desired effect. It should be noted that the practical and high-end paintings mentioned here are not equal, and the choice of materials should be based on reality. Considering the capital investment, it is also necessary to ensure the rationality of the materials [5]. In the interior design, according to the actual situation of the indoor space, through the reasonable selection of the type and appearance of the decoration materials, the characteristics of the various materials can be maximized to meet the effect of the interior space design.

2.3 Environmental protection

At present, the environmental protection and energy-saving materials with long development time and mature technology in our country mainly use solar energy as energy, which alleviates the application pressure of non-renewable energy, reduces pollution emission and promotes the improvement of energy utilization efficiency. In traditional interior design, the application and combination of building materials have a fixed pattern, which is also the main reason why the content of traditional interior design style is not much different [6]. Modern interior design is convenient to meet people's individual needs through reasonable application of materials, and also explores other properties of the same building material to fully ensure more flexible interior design. In the actual interior design process, traditional building materials can be redesigned in groups and colors. After further combination innovation, on the basis of retaining the traditional style, the elements of human modernization are integrated [7]. Utilization of waste residue environmental materials; anti-bacterial, health function, anti-electromagnetic health environmental materials; zero emissions of exhaust gas, waste water and waste residue recycling materials. In addition, the application of diatom mud materials is also conducive to improving energy conservation and environmental protection in decoration design, can effectively absorb dust and harmful gases generated in the process of decoration, and promote energy conservation and consumption reduction in architectural decoration design.

3. Influence of Development of Modern Materials on Architectural Decoration Design

3.1 The development course of modern building decoration materials

The main symbol of the exploration and development of modern architectural decorative materials is to consider both practical and aesthetic values of materials, so as to achieve a comprehensive unity of practicality and art. In interior decoration, diversified materials can not only improve the quality and taste of decoration, but also stimulate the creative inspiration of designers [8]. Therefore, new building decoration materials pay attention to people-oriented, more eco-environmental protection capabilities, not only can reduce pollution emissions, but also can absorb harmful gases in the application process, promote indoor environmental purification. Modern main popular building decoration materials are as follows: in high-rise buildings, the top

materials with beautiful appearance and complete functions are often used. The main elements of the top materials are metal plate, glass, plywood, gypsum board, etc. Different combinations will also give people different feelings, just like the nine sets of clothes in nine sets. When designing, we must ensure the aesthetic value of the graphic combination and make the occupants feel comfortable. For example, the simple design form will bring people an ethereal and open-minded feeling [9]. In the actual design process, the application of more environmentally friendly materials, combined with solid wood materials, can create unexpected results. New building materials consume fewer resources and are relatively cheaper, saving resources and improving the comfort of indoor living.

3.2 Influence of environmental protection and energy saving materials on architectural decoration design

The emergence of environment-friendly and energy-saving materials mainly depends on the development of modern science and technology and the change of people's concept and consciousness. Modern science and technology have developed heat reflecting glass, dimming glass, thermal insulation wall materials and heat absorbing materials, etc. These new materials have achieved good results in the application of residential interior decoration design with their excellent performance. According to the existing materials, design a scientific scheme, and then improve the traditional materials so that the materials can be used in many places to enhance their diversity [10]. At the same time, the scientific use of materials has also improved the novelty of architectural design, in line with the requirements of modern people. In practical interior design, visual factors such as light and shadow effects, chromatic aberration, and brightness can be combined with building materials. It shows the difference in the indoor environment, and the texture of the design is more realistic. These products can make full use of the renewable energy of solar energy, greatly reduce the utilization of other energy sources, reduce exhaust emissions, and improve energy efficiency, providing convenience for residents' lives. The development of energy-saving materials has improved the energy-saving and emission-reducing capacity of building decoration design, creating a more comfortable living environment for people and achieving the goal of sustainable development of the building decoration industry.

3.3 The influence of new materials on architectural decoration design

The new materials of architectural decoration design mainly refer to all kinds of humanized and ecological environmental decoration materials, which mainly clean the living environment and save energy through the use of renewable resources. The use of organic materials can not only make people feel more comfortable, but also have a high cost-effective, environmental value is also high, can improve the comfort of people's indoor decoration. Therefore, in the design, the application of building decorative materials should pay attention to its integrity, in order to achieve good decorative effect. Thus, in order to achieve the integrity of building decoration materials, we should fully understand and master the basic characteristics of building decoration materials. Modern technology has developed heat-reflecting glass, dimming glass, thermal insulation wall materials and heat absorbing materials. These new materials have achieved good results in residential interior design by virtue of their excellent performance. The texture of the decorative material will vary from material to material. There are rough textures and hard and soft differences. For example, the material of stone will give people an atmosphere, but the wood is relatively mild. According to the needs of different groups of people, using the color characteristics of the materials, the color of the decoration materials can be reasonably matched, and the indoor space effects of different styles and different atmospheres can be created, and the contents to be expressed in the indoor space can be enriched.

4. Main Points of Interior Decoration Design

The interior space is defined by the enclosure of the ground, wall surface and top surface, thus determining the size and shape of the interior space. The use of different materials can beautify the indoor space environment. People will feel happy and comfortable when they are in such an

environment. If the decoration materials are chosen randomly and are not coordinated, it will not only beautify the environment, but also affect people's mood. Interior decoration designers always choose the most appropriate decoration materials according to the specific conditions of the interior, and then combine the nature and types of decoration materials. Only in this process can the value of decoration materials be reflected.

4.1 Floor decoration

Base is very important in people's horizon. Floor and people contact more, and the horizon is close, and it is in dynamic change. It is one of the important factors of interior decoration. Material texture is information such as patterns transmitted from the surface of material. Texture features may be innate in the process of material formation or growth. Material texture can be divided into natural texture and artificial texture. Natural texture features are random and contingent. The use of wood furniture to decorate buildings can be used independently or in combination. When decorating the base surface, we should pay attention to the structure of the floor. On the premise of ensuring safety, we should give convenience to the construction and construction. We should not only pursue the pattern effect unilaterally, but also consider the need of physical properties such as moisture-proof, waterproof, thermal insulation and so on. Therefore, in the actual design process, the application of humanized building decoration materials is to optimize the related architectural decoration for people's psychological activities and living habits. Most designers will choose high-cost building decoration materials. It is not excluded that designers sometimes choose some low-grade materials under the condition that the overall effect of interior design is unchanged. After indoor application, the whole environment will be soft. It can also enrich the color of the room and enhance the sense of color in the room. The practicality of this material is very emphasized and can be used to enhance the artistic interior.

4.2 Wall decoration

In the range of indoor vision, the wall is perpendicular to the line of sight of people and is in the most obvious position. At the same time, the wall is the part that people often contact. Therefore, the decoration of the wall is of great significance for indoor design. The texture of materials is the physical property of materials. Sensory sense is mainly reflected in soft and hard, rough and smooth touch, cold and warm color in vision. Texture of different materials has its own unique characteristics in some information expression. The wall surface has a large area in the indoor space, occupies a major position, and has higher requirements. The requirements for sound insulation, heat preservation, fire prevention, etc. in the indoor space vary according to the nature of the space used. For example, the requirements for hotel rooms are higher, while the requirements for general unit canteens are lower. Interior design is not limited to the combination and innovative application of building materials, but also includes a reasonable mix of light and color. Through the grasp of visual effects, the full integration of decorative materials and the overall environment is achieved. In turn, the aesthetics of a harmonious overall visual effect is created, creating an indoor environment of various styles. In the interior space, the decorative effect of the wall plays a very important role in rendering the landscaping indoor environment. The shape, division pattern, texture and indoor atmosphere of the wall have a close relationship. Materials use clean production techniques in the production process to prevent harmful substances and gases from damaging people's health. The products produced by the materials are safe and versatile and can be widely used in a variety of architectural and decorative fields.

4.3 Ceiling decoration

The roof is an important part of interior decoration, and it is also the most changeable and attractive interface in interior space decoration. It has a strong perspective. Through different treatments, it can enhance the space appeal and make the top shape colorful, novel and beautiful. This kind of texture feature is properly applied in interior decoration, which will greatly improve the aesthetic value of interior. For example, stone grain and wood grain are commonly seen. The application of wood in interior design is mainly embodied in various furniture and carving

ornaments. In actual interior decoration, wood can be used for floor, wall, ceiling and so on. Wood can not only be used for decoration alone, but also be used in combination with other materials. Generally speaking, the effect of interior space should be more important than lighter, so we should pay attention to the top decoration, strive for simplicity and integrity, highlight the key points, at the same time, the shape should have a sense of lightness and artistry. What needs to be pointed out here is that the main visual effect of interior design is realized through the colors of decorative materials. Therefore, the reasonable matching of colors can meet the requirements. Now in the interior decoration, white still occupies the main body, the main reason is that white and other colors are more harmonious, at the same time let residents feel clean and tidy. Various folded plates, flat plates or other forms of suspended ceilings are hung under the roof load-bearing structure. Such ceilings are often used in gymnasiums, cinemas and the like to meet the requirements of acoustics, lighting and the like or to pursue certain special decorative effects. Through the application of new architectural decoration materials, modern architectural decoration design gradually tends to aesthetic direction. Moreover, the development of modern architectural decoration design will also have a negative effect on the development of materials, which will continuously improve the quality of materials and enhance the artistic aesthetic properties.

5. Conclusion

The development of materials is closely related to architectural decoration design. The development and application of new architectural decoration materials can enrich the artistic style of architectural decoration design, and the development of architectural decoration design can also promote the innovative development of materials to a certain extent, thus forming a relationship of mutual promotion and influence. Interior decoration design is a very comprehensive discipline, involving sociology, psychology, environmental science and other disciplines, there are still many things we need to explore and study. Building decoration materials can beautify people's life, to a certain extent, in line with people's pursuit and yearning for a better life. When choosing the right building decoration materials, it should be combined with the characteristics of the building to blend the beauty of the building into the building decoration materials. The quality of interior decoration directly determines the quality of life of people. The traditional design method of simple accumulation of decorative materials has lagged behind. In the new era, interior design needs to incorporate new elements and design concepts to ensure the individual needs of the occupants.

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