

Coexistence of Texture and Art

-- The Application of Glass in Art Works

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Abstract

With the advancement of science and technology and the maturity of technical means, under the background of the digital age, glass materials have become an important material in modern art design and an indispensable way of expressing contemporary art works. Make good use of the combination of glass materials and art works to make the texture and art coexist, let the unique advantages of glass bloom in the work, and finally blend the glass texture and the work harmoniously, bringing beautiful enjoyment and spiritual pleasure to the audience's vision.

Keywords

Glass texture, digitalization, artistic application.

1. Introduction

Design works under the background of the digital age are actually a combination of science and technology and artistic ideas. They are products that are finally formed by industrial means. The effective and reasonable use of materials is the source and the source of the blue and green light of the work. Foundation construction.

According to records: the production of glass has a history of more than four thousand years. There is a long process in the extraction and application of glass in artistic works. What impressed me was the 1851 British Crystal Palace mentioned in the book. The material is glass; the use of glass is not only the progress of the technological age, but also the pursuit of people's artistic aesthetics.

2. Overview of Glass Materials

Glass is a special material. Nowadays, glass materials are everywhere in our lives, ranging from windows to glasses. They play a pivotal role. Not only that, glass is also an important material in modern art design. Widely used in modern art design works, it has become a new element and new artistic carrier of modern art design works. It has a very outstanding characteristic-permeability. Because of this, it is constantly used in art creation. Discovery has given the works a new display medium. In addition, glass also has a characteristic, good pressure resistance, so tempered glass is also widely used in various industries; of course, the glass material is also very resistant to high temperatures, which makes it useful in artistic creation. The value is more extensive and can be organically integrated with other elements. Common flat glass, hot curved glass, and three-dimensional glass are very innovative in the design of art works. The coexistence of research on glass texture and art can not only optimize the glass art language, but also It has profound significance for the innovation of modern art works.

3. The Performance of Glass Art Form in Works

3.1. Graphic Art Form

The form of plane composition is widely used in contemporary art. Its main purpose is to partition the space and form a new space range. To a certain extent, it changes the original spatial form. Because of its better light permeability, It provides good conditions for rendering the atmosphere of the space. Common practices take environmental decoration as an example, such as glass walls and glass doors. We often see that in a small space, there will be a neat row of corresponding glass mirrors on the wall, so that through his infinite mirror reflection, the small space gives the illusion of infinite magnification and eliminates the depression of the indoor space. It also has a good decorative effect. Enriching the original spatial form level.



Figure 1. Picture from the Internet

3.2. Three-dimensional Art Form

When it comes to three-dimensional art forms, everyone will more or less have a basic concept of three-dimensional space. Common art forms include sculptures, craft products, etc. The basic materials are also common stone, wood, plaster, plastics, etc., and the use of glass materials can Obviously different from the characteristics of common materials, the design of it can not only change the space decoration effect, but also realize the function of environmental reconstruction. Through the role of ambient light, it can present artistic effects that other materials cannot show. Glass has a certain degree of refraction. The characteristics of light and scattering can be combined through the effects of color and light to form a work with strong texture. The glass can create a colorful atmosphere through the decomposition and filtering of light, and the shape of the shadow can create a dynamic art form.

3.3. Installation Art Form

With the continuous advancement of science and technology, glass has been more comprehensively displayed in art works. From the initial blow molding to cutting and inlaying, a variety of morphological designs are integrated, and the three-dimensional glass art form is gradually becoming The art form of installation has evolved. The installation mentioned here is an art form that combines glass with other materials, such as the Crystal Palace built in Hyde Park in central London in 1851, and the Louvre on the north bank of the Seine in central Paris, France. Etc. are some typical cases; glass is used as the main building material to form architectural works of art with a unique style.



Figure 2. Picture from the Internet

4. The Aesthetic Characteristics of Glass Materials in the Application of Works

4.1. Beautiful Colors

Because glass is a relatively special material with a certain degree of permeability, it can filter outside light to present different environmental atmospheres, and express a unique beauty of light. When light with color information passes through the glass, it will It makes people feel that color and glass material are integrated. Color is very expressive in glass material. Glass material is also very tolerant of color. When glass material is used in art works, it is not only the material itself. Plays its charm, and color also plays a very important role in it. The combination of various colors, orderly or disorderly arrangement, or white space, all show unspeakable charm.

4.2. Craftsmanship

The impression of glass is generally that it is fragile, and there will be a very long and boring part in the production process, which is divided into cutting, hot melting, casting, carving, polishing and traditional blowing. Regardless of the method used, the ultimate goal is to make the work take shape. There is no real time for completion of any work of art, and the same is true for glass works; for example, the work "Green and Green Light Falling A Thought" was produced in 2018 October.



Figure 3. Green and Green Light Dropping a Thought

This is a glass sculpture with the theme of environmental protection. With the rapid economic development, people's methods to transform the environment are becoming more and more diversified. Environmental protection is becoming more and more important to ignore. As a starting point, the main presentation effects and materials of the work are mainly glass, and the craftsmanship achieves a formal sense of reality and three-dimensionality. The ink stains of the water droplets are printed with the word "Fu" to symbolize the green leaves and beauty. The nature of the world is slowly fading. Through the contrast of colors, the concept called for in the work is better demonstrated: the environment is everyone's. I warn everyone: the protection of the environment is everyone's responsibility.

4.3. Light Shadow Beauty

The glass material irradiated by light can create different atmospheres with its own unique potential and skills. The shadows formed by objects are often affected by light and react to light. The movement of light and shadow creates a unique hazy and dynamic beauty in the space, breaking the quiet and static environment. In the concept of the blue and green light drop, a separate lighting interactive device was designed for it. When it is powered on, we can see that the leaves with the word cut are green, and the light switch on the main tree trunk allows visitors to take out , When the piece installed in the glass tree is pulled away by the audience, the corresponding green leaves on the tree will lose its color, forming a colorless glass and presenting a cut character. The glass itself has the characteristics of cold material properties. This design further strengthens the visual experience presented to people after the environment is destroyed through light, shadow and color.

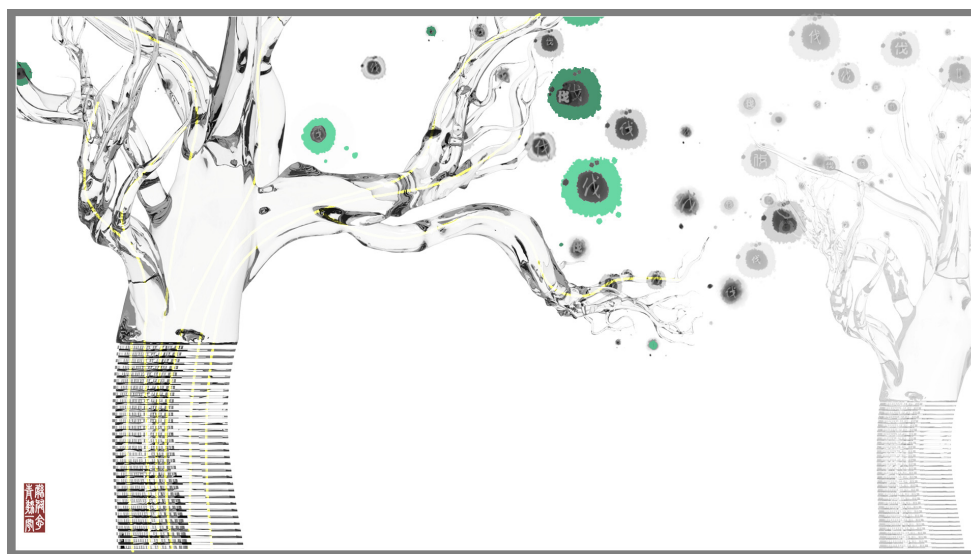


Figure 4. Green and Green Light Dropping a Thought

5. Texture and Art Coexist, The Application of Glass in Art Works

The glass material itself has transparent or semi-transparent form characteristics, which can render and create an atmosphere to a certain extent. Combined with the summary of the paper, the significance of glass materials in the application of art works can be summarized. It has a certain degree of decoration and light transmittance, and creates an atmosphere of psychological environment in the visual presentation.

Decorative: Decorative glass works not only have high artistic value, but also reflect the artistic and combined effects of glass, and innovate artistic design. In addition, glass works in decorative forms have large variations, which can realize multi-functional artistic design. For example, the use of decorative glass lamps, glass windows, glass furniture, etc. in the interior

design can create different styles of interior spaces and highlight the artistry of interior design. Taking the sculpture decoration of the above-mentioned outdoor work "Green and Green Light Dropping a Thought" as an example, it can better interpret the artistic language of the work itself and reflect its unique artistic charm.

Strong light transmittance: Glass material is a material that depends on lighting. The biggest difference from other materials is that it has strong light transmittance. It visually brings people pure and transparent. The combination of light and shadow will give people a crystal clear aesthetic feeling.

Atmosphere creation of the psychological environment: Glass materials are also of certain importance in the application of artistic works, as reflected in the psychological environment. The stone itself has a heavy feeling, the wood is simple, the stainless steel is clean and hard, and the glass is generally indifferent. The psychological hint of, in the design, the indifference can be broken through the harmony of light and color, so that it can be in a comfortable fit with the environment. As mentioned earlier, the infinite reflection of the glass mirror can expand the space psychologically and change the psychological space form, thereby breaking the sense of depression brought by the small environment.

6. Conclusion

With the advancement of science and technology and people's pursuit of beauty, glass has been integrated into art and design works as much as possible. With its unique characteristics, works can use digital technology and new combinations of materials to a certain extent, get rid of Tradition in a certain sense can better integrate with contemporary environment and life, allowing glass texture and art to coexist, showing the vitality and artistic expression of the material itself.

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