

ON THE QUESTION OF DESIGNING FURNITURE FOR DEVELOPING COUNTRIES

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The article deals with the specific features of the project as corrugated material in environmental art design furniture.

Actuality

The need for quality furniture - one of the basic human needs, who lives in society. The activity of the designer is to create furniture that will be involved in a specific material and artistic culture that best meets the needs of man.

Modernity creates new demands on the quality of the individual changes and furniture, without excluding the traditional ties with the man.

Research tasks

Universalization of certain parts of residential or industrial building and the need for efficient use of space it requires optimal balance unification equipment and opportunities to meet individual needs.

With quality organization habitat complex design of furniture allows efficient use materials, including and wood. Designers are a variety of solutions that help improve material specifications, technology and practicing new opportunities and extraordinary use of existing materials.

The purpose of the study is that appealing to specific artistic and design developments and identify potential research direction of design furniture from cardboard, furniture designs reveal features of the above material to analyze which areas of material culture and design culture could corrugated take their rightful place.

The main advantages of this material - light weight, inexpensive cost, ease of use, very high strength.

Recently, a number of proposed processes for the manufacture of corrugated cardboard furniture [3]

Technologists and designers say that a person "... inherent desire to form multi-functional, lacking sufficiently stringent restrictions" [1, p.86]. Before designers are challenged to provide furniture that surround a man of such qualities that make them different, such that appeals to a surprising unexpected features. This unexpected [2. 193] often provides furniture and more attractive.

Developing a particular model of furniture should take into account the inclusion in real life, having in mind the different types and characteristics of consumers, their conditions of life.

Creating furniture is a very complex and creative process, which requires a systematic approach to design. Thus the main feature of the formation of art and design solutions furniture - a thorough analysis of anthropological, aesthetic, functional, physiological and spiritual factors that affect the whole person. It should also be remembered that "the form of furniture, its plastic solution and three-dimensional structure are always in close relationship with each other and some dwelling" [4, p. 67].

Going back to the corrugated board and its specific application in, furniture, we note that this material is sealed relative moisture. Another important and relevant advantage of corrugated board - its environmental friendliness. The process of recycling can follow the example of the production of corrugated board, because it is often used paper and cardboard, derived from waste paper and waste wood production, which is a significant advantage as the material terms of saving resources and environmental reasons. Used corrugated again becomes the raw material for the manufacture of a new party or corrugated recycled without harming the environment [2, p.96]

Modern designers appreciated the possibilities of this material. It can be noted that in recent years many famous furniture factories in Europe, and has launched into production batch manufacturing of corrugated cardboard. It combines the low cost and practicality. Some modules are easily cut or squeezed from gofrolist and using transformations connected in durable and comfortable piece of furniture.

Often, designing furniture from cardboard, artists, designers take a sample of the structure of living organisms, or designs that are created animals. For example, the

hornet's nest. To create the furniture used methods of computer design and cutting. Have become a textbook furniture Office Technology Jason Newill from the center of technology and art in Jelltowny (Colorado, USA).

The problem of relative humidity on corrugated board today also solved successfully. Cardboard humidity gets after treatment with liquid water-based polyurethane. One feature of polyurethane is creating quite strong on the surface of the films.

As for the mounting of furniture can mark it simple: almost all comes down to basic manipulations on the intended use of the excesses of locks made of cardboard and cut, requiring no additional hardware [1, p.47].

Furniture corrugated very comfortable during various outdoor events when the city will come a large number of tourists and journalists use such convenient, practical and standardized furniture would solve many problems creating tourist infrastructure. It can be a variety of chairs, benches, equipment, relaxation areas and mobile press centers and so on. Keep in mind that the seats and other furniture can be used repeatedly. They can advertise, and other information.

When folded corrugated chairs are very compact and easy to transport. And your - the load by relying on back up to 120 kg.

Back in those seats empty. This void can be used for the preparation of rubbish, which made it possible to partially address the issue of its collection and disposal.

For furniture is mostly used two- and three-stratified cardboard. In the production of furniture made of this material should take into account the direction of cardboard, which determines the strength and durability. For example, when overlapping walls of different parts, the first cut with a knife or laser cardboard in which wave (strata) directed vertically, in the second, though, the layers horizontally. In addition, the material in question provides unlimited opportunities to create interesting shapes and decorating surfaces.

Cutting and cutting is often carried out controlled laser that allows you to not deform edge detail and most efficiently connect the different parts together. It should be noted that the most technologically justified use for furniture corrugated cellulose. It is more durable and economical compared with recycled cardboard.

Clearly, this furniture can not satisfy furniture gourmet, but they can be successfully used, for example, in dormitories, youth homes and more. Space-plastic solutions that allow ribs provide products with greater strength corrugated board, expanding segment of the possible application of this type of furniture.

It should give you an example. In Iran, India and Jordan, which have a long tradition of using the materials of wood, use of office furniture made of corrugated cardboard is over 21% [2,45]. This gives optimism and shows that out of the domestic furniture market - a matter of time.

Conclusions

Furniture corrugated often preferred in comparison with furniture with traditional materials. This is thanks to these advantages furniture:

- They are much cheaper than conventional furniture, corrugated inexpensive in processing and does not require complex manufacturing processes and equipment;

- They weigh far less than traditional furniture;
- They are easy to understand, so have advantages in transportation, in disassembled they look like cardboard;
- They are easily utilized.

On the other hand Furnishings strong enough and have enough attractive. This circumstance defines the field of design and technological innovations that can offer more in the future. It should ensure that the production of corrugated cardboard furniture will be developed. To do this, our country has reasonable grounds.

List of literature

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Анотація

ДО ПИТАНЬ ПРОЕКТУВАННЯ МЕБЛІВ ДЛЯ РОЗВИВАЮЧИХСЯ КРАЇН

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В статі розкривається основні тенденції в проектуванні меблів з недорогих, матеріалів які могли б бути використані в проектуванні країнами з розвиваючими промисловими потенціалами.