

Seventh research summary

The usage of the intelligent sustainable materials in the interior wall cladding

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Summary:

Sustainable is one of the most popular words nowadays, along with green and eco-friendly, in business and in interior design. Interest regarding sustainable development grows continually in response to environmental demands that tax the environment. Using sustainable materials for furnishings makes sense for those individuals interested in living an environmentally friendly life. Therefore, for the purpose of this study, sustainable interior design is defined as interior design in which all systems and materials are designed with an emphasis on integration into a whole for the purpose of minimizing negative impacts on the environment and occupants and maximizing positive impacts on environmental, economic and social systems over the life cycle of a building. It is noted that environmental issues have not significantly influenced the phases of the design process.

Research problem:

Interior design is a profession that serves for the human habitation in the environment. In the context of human needs, there are many different dimensions and levels of satisfaction. The interior space can satisfy the need of security, or it can lead to a satisfaction level from security to self-esteem. Recent global debates focus on to a basic need that is to survive. We have defined the Interior wall cladding as the main point of the Interior Décor, which influence the entire atmosphere in the house as the cladding of the wall giving the rhythm to the following design of the room in general.

Research objective:

As a need of sustainable environment, cladding is an obligation rather than a will, in order to survive. In the following research, we have reviewed the classification of the sustainable materials and clarified the meaning of the term “sustainability”, “green design”; “intelligent materials”; indicated the alternative solution for the harmful materials in the wall cladding as bamboo, cork, wood etc. In addition, we have revised the role of the Designer and the barriers for the implementation of the sustainable Interior Design.

Conclusions:

An important tool in the effort to build greener buildings and live greener lives is the selection of products that were made using environmentally friendly processes and are used in environmentally friendly ways. According to the research we can identify, that the green approach is simply “responsible design”. Having a responsibility to sustain life and land with every design decision made, are the great things to do. Sustainable interior design must be an integrated and joint effort from government, planners, financiers, interior designers, construction managers, landscape architects.