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Research Paper

The role of modern building materials in reducing energy consumption and environmental pollution.

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ABSTRACT

In today's life, human population growth is accompanied by an increase in fossil fuel consumption, which is a major source of conservation in nature. Energy conservation is one of the principles of sustainable architecture in which the architect is required to design the building in such a way as to meet the building's requirements Fossil fuels are minimized, but since the need for unconditional comfort and convenience has led to a growing need for energy in the domestic and industrial sectors, architects and designers of the building have taken it to meet this need and in parallel It considers the protection of the environment and fossil fuels. Today, human beings are pushing for better solutions and better solutions. For optimal use of energy, the use of intelligent building materials and materials in today's buildings is a timely response to changes that make the building more durable and enhances. It is possible that the discovery of intelligent materials is practical for architects to use this material, which is the most important advantage. They are encouraging the optimization and intelligent management of energy. The object of the study is to investigate the present research through objective observation. In fact, research has been conducted on the basis of a rational method and an analysis and description of the achievement of the research objectives. The method and method used are the research of the library method and the examination of written documents.

Keywords: Modern Materials, Smart Materials, Reducing Energy Consumption, Reducing Environmental Pollution

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Figure 1. One North (source: author)



Figure 2. Uti wall painting (Source: grandmotherafrica.com)

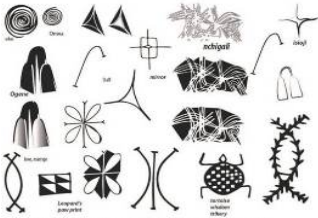


Figure 3. Uti symbol (Source: ezibota.com)



Figure 4. Yoruba traditional symbols (Source: Pinnerest.com)

Abodunrin JA (2019). Indigenous forms and materials in Nigerian painting. *J Art Arch Stud*, 8 (1): 07-12.

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