

Mud Brick as a Sustainable Material in Traditional Architecture of Iran



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ABSTRACT

By considering the fact that vast areas of Iran is desert, It is obvious that the most of historical buildings are made by brick constructions.

Mud-brick is one of the traditional materials which is easily available and is good insulator with high power of storage of cooling and heating energy.

It can equilibrate interior space of building. In addition brick constructions have had the best output in technology era.

This paper focuses on the results of sustainability of mud-brick as a climatic materials in traditional architecture of hot regions.

Its features are based on climatic factors as well as local construction materials of hot-arid regions. Mud-brick as one of the determining and organizing factor of traditional architecture in hot-arid regions involves various aspects.

At the first of article, describe mud-brick and the role of that in sustainability of traditional architecture. Then in concluding the article, we present this view that the vernacular materials are sustainable material in the traditional architecture. It is perceived everlasting for having sustainable features and be able to response to environmental problems for a long period.

So, in new application suitable for today life, It will be eligible to use these materials with correct and precise planning.

KEY WORDS :

Mud-brick, Traditional architecture, Sustainable architecture.