

Mechanised and Improved Construction Technology for the Gypsum Stabilized Earthen (Adobe) Construction Material



Tuğşad TLBENTI

Near East University, Department of Architecture

Faculty of Architecture

ttulbentci@yahoo.com

ABSTRACT

Adobe is a material which can be found easily, work easily, natural and cheap. One of the most important property of adobe is its thermal insulation capacity. Nowadays, our world is living undesirable days from a view point of energy and natural sources. Energy saving is very important and necessary for our world and adobe buildings can succeed this event easily. While supplying thermal insulation in every season, adobe also keep natural sources and prevent pollution that occurs while production of energy. All these advantages of this material should clearly and simply explained to users in any case so that the usage ration and market share increases.

Adobe is very useful and natural material. In order to make this material more strength in construction, its properties were stabilized by adding gypsum and lime. Developed (gypsum added) adobe will be detailedly described above.

In order to succeed all these which were mentioned above, Total Quality Management is the best system. All the principles of Total Quality Management support nature, users' satisfaction, raw material usage etc. Total Quality System absolutely offered to succeed all this and increase production quality, market share of adobe buildings by organizing the production processes.

KEY WORDS :

Traditional Adobe, Gypsum Added (developed) Adobe, Total Quality Management