

## **Mud Brick, Bat and Natural Mud brick in the Production Techniques in Van**



**Şahabettin Öztürk**

Yüzüncü Yıl University, Faculty of Engineering and Architecture,  
Architecture Department, Van  
[sahozturk13@gmail.com](mailto:sahozturk13@gmail.com)

### **ABSTRACT**

In the history of Van and its surrounding areas mud-brick, bat and natural mud-brick have been used as the most important construction material for bastions and city walls on military architecture; for churches and mosques on religious architecture and for houses on civil architecture. Amount of additives, soil type and mixture proportions during mud brick preparation have importance on quality of buildings which are made up of mud brick. Type of the soil that has been used for mud brick preparation and bat, clay and straw plaster which were made out of this soil and flat roof covering system ought to have some specific qualities. The bat that has been used in the architectural buildings in and around Van, has been used particularly as city walls and bastions in the military buildings and as outer wall (s) in the civic buildings during history. And mud brick has been used in all constructional sections of the traditional civil architecture more of being prepared in particular mouldings. Natural mud bricks what have been produced in the grasslands and reed-bed areas being cropped with oars in particular sizes are easy to be seen in particularly rural architecture, in the constructions of both rural houses, and annexes like hayloft. Today, mud brick is seen particularly in the buildings of districts and rural areas partially, while it is not used in the architectural buildings in the city center.

**Keywords:** Bat, mud brick, soil, natural mud brick, clay.