

## THERMAL INSULATION IN URBAN HOUSING AND THEIR ECONOMIC BENEFITS

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### ABSTRACT

Energy supply for the population is among the main and most serious problems in the current that runs our country, especially if we take into consideration the fact that half of total energy is consummated by familiars for household heating. It often cause in the peak time difficult situations in providing the energy, especially electricity. This is a problem that needs concrete solutions by facing the energy resources available to the population's energy requirements, and taking into consideration the comfort, health and cost-effectiveness. For heating residential, the population use electricity, firewood (stoves) or boilers. Therefore we need to increase the use of alternative materials for space heating and other heating ways of housing. Reduction of energy due to the thermal insulation of housing brings economic benefits due to the reduction of spending and electricity savings. This paper focuses only on the thermal insulation of housing, which is one of the key factors in achieving energy efficiency by achieving an analysis of the economic benefits that how much money can be saved over a year by applying thermal insulation in housing.

**Keywords:** Energy Efficiency, thermal insulation, heating of housing, economic benefits.