

## EVALUATION OF ENERGY CONSUMPTION RATIOS IN BUILDINGS

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### **ABSTRACT**

*The quantity of heat energy to be evacuated in a room in order to reach the optimal thermal comfort depends enormously on the type of construction, in particular of its global volume coefficient of thermal inputs  $G$  (which involves only the thermal resistance of the walls opaque and glazed), infiltration inputs and internal inputs (machines, lighting, occupants, etc.). It also depends on the ROM report ( $ROM = \frac{S_V}{S_F}$ ) which involves the solar gains through the glazing according to whether it is single or double. This article proposes to develop ratios for ROMs and building form factors.*

**KEYWORDS:** Ratios, ROM, Form Factor, Thermal Inertia

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