

Comparative Analysis Study For Some International Residential Sustainability Codes*

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Abstract

The codes for sustainable homes have been introduced to drive a step-change in green building practice. It set the international standards for key elements of the design, construction and planning. It is a tool for designers and structural engineers and real estate developers and users. This paper reviews the concept of sustainability codes through some of the world's leading experiments and implementation mechanisms . In order to reach the main points for each codes and to find out what is essential and what is linked to the characteristics of the region, this paper also present a brief explanation for the codes and limitations imposed on the building through the evaluation process in the international codes. The paper also explained degrees of classification and its effectiveness on a building, whether its binding or optional.

Keywords: Codes for sustainable Homes ,Rating System Eco Homes ,Ecology ,Waste management Dwelling ,Energy and CO2 emissions ,Building footprint ,Indoor Environment Quality,Resourceful Energy,Global Warming.

* For the paper in Arabic see pages (549-565).

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