

## **Approved Building Codes**

### **Article (54)**

The followings codes are approved for the design of buildings and facilities in the Emirate:

#### **A) Concrete Structure Codes:**

##### **LOAD CODES**

##### **1. Dead and live loads affecting buildings.**

The dead and live loads are taken according to the American code, or European code or British code. The following should be considered:

- 1.1 Live load on mezzanine floor shall not be less than (5kN/m<sup>2</sup>) in commercial and industrial buildings.
- 1.2 Live load shall not be less than (3.5kN/m<sup>2</sup>) in car parking buildings and car parking levels in other buildings, taking in to consideration loads on traffic lanes and use of typical load method in the design.
- 1.3 Live load in design of flat slabs and post tensioning slabs shall not be less than (3kN / m<sup>2</sup>) in all buildings that may be exposed to live load less than such figure. The designer may use the values mentioned in the code (2kN/m<sup>2</sup>) under the condition of using typical load method in the design; and take in to consideration all the installations passing through the roof.
- 1.4 The minimum dead loads on the slabs shall be according the following table:

<b>Type of Partition</b>	<b>Dead load Min (kN/m<sup>2</sup>)</b>
Light weight partitions	4.5
Normal weight partitions	5.5
Dry wall partitions	4.0
Cladding	1.5 kN/m

It is possible to reduce the applied load further than the values indicated in the above mentioned table for all types cladding and internal partitions on the slabs, and apply the actual loads, after submitting the required calculations for the actual loads as per the system used and indicating them in the drawings submitted for permit, with the ability to modify the buildings later according to a new approval issued by the municipality after fulfilling the approved requirements.