

In this Chapter :

- ⇒ **Building Construction requirements.**
- ⇒ **Fire rating of Structural elements based on area and height.**
- ⇒ **Cladding, Roofing, Glazing**
- ⇒ **Civil Defence requirements for construction materials.**

Intent of the Chapter

- To ensure Life Safety of the occupants of buildings and structures through regulating design, construction and materials used in the construction.
- To identify Structural Fire ratings, Compartmentation, height and area restrictions, distance between adjacent buildings to ensure the effect of Fire hazard to occupants and to the neighboring buildings and structures is minimized.
- To restrict Fire spread outside and within building by regulating Exterior and Interior Finish Material quality.

1. Definitions

1.1. Construction

1.1.1. Shall

It is a mandatory requirement from Civil Defence

1.1.2. Should

It is a suggested requirement recommended by Civil Defence but not mandatory.

1.1.3. Listed

Approved and registered by individual Emirates' Civil Defence material department.

1.1.4. Building Area

The total area within surrounding exterior walls (or exterior walls and fire walls) exclusive of vent shafts and courts. Areas of the building not provided with surrounding walls shall be included in the building areas if such areas are included within the horizontal projection of the roof or floor above.

1.1.5. Control Area

A building or portion of a building within which hazardous materials are allowed to be stored, dispensed, used, or handled in quantities not exceeding the maximum allowable quantities

1.1.6. Maximum Allowable Quantity per Control Area (MAQ)

Maximum quantity of hazardous material allowed to be in a control area.

1.1.7. Fire Area

An area separated from rest of the building by fire walls, fire barriers or combination thereof.

1.1.8. Gross Floor Area

The area of a floor within the inside perimeter of the exterior walls of the building, with no deductions for hallways, stairs, closets, thickness of interior walls, columns, elevator and building services shafts, or other features, but excluding floor openings associated with atriums and communicating spaces.