



Regulations of Construction Conditions And Specifications in the Emirate of Sharjah

hours due to the direct sunray, which are in sequence: westward, north-western and south-western. If it is necessary to make big openings in these facades, then external shading shall be used whether by using the vertical sun breakers or by using trees or Protrusions.

6. It should be observed to use the reversed section in the sequence of isolating the external ceiling of the building. It is permitted to have such layers installed according to the ordinary order in the case of adding the same to the already existing buildings.
7. It is preferable to use the botanic components (Trees, bushes and ever-green climbing plants) in the western facades, and (Dangling plants) and (Horizontal sun breakers) in the southern facades, in addition to the (vertical sun breakers) in the western facades for ensuring the appropriate shading to the building.
8. The ideal direction of the building must be studied as much as possible, particularly, the direction of windows. Regarding that the ideal direction in the Emirate in general is (Northward/Southward). It is preferable to avoid the western openings as much as possible.
9. It is preferable that the building entrance to be secondary one for mitigating the thermal loss and realizing convenience, especially in public buildings.
10. Working on taking all necessary precautions for avoiding the leakage of external air into the building from cracks, doors and windows by placing insulating tape in leakage areas.
11. The external coats of the building must in general be of light color, and the external walls and surfaces must be smooth for realizing the thermal reflection property of these walls. In spaces in which dark colors are used, an equivalent thermal outcome must be complied with for its counterpart in the case of light colors.
12. It should be observed that the connection points used for the installation of thermal insulating materials on walls must of rustproof material.
13. It is preferable to use (Programmed control) in official buildings, schools, hospitals and medical clinics, through which the internal temperature for these buildings maybe raised at times when the building is evacuated from people.