



Regulations of Construction Conditions And Specifications in the Emirate of Sharjah

persons, the coefficients stated in the reference of Ashrae Fundamentals should be taken into account.

10. The security (Safety) coefficient shall be calculated as follows:

Sensed Thermal Load	10%
Existing Thermal Load	5%

11. If construction requirements stipulate that the fire resistance for components must be for one hour or more, then the lower layer bearing the insulating boards must be of the fireproof type.

12. Polystyrene boards shall be stored, before using them in the walls external insulation, for a period no less than (6) weeks.

When using metal fibers as a thermal insulating layer in buildings, the type and properties of the insulating material and its components of binding materials and others should be known first prior to use for ensuring the proper installation of the insulating material in the appropriate location. Regarding that these organic binding materials restrict the operational thermal degrees for the insulating materials. Also, the leakage of water into boards must be avoided by wrapping each board completely into bags made of water resistant material like polyethylene, and the original thermal insulation thickness must be maintained and should not be exposed to pressure while installing it in construction. In all cases, the final thickness must be approved after installation.

Article (2/67): General Instructions.

1. The values of thermal conveyance coefficients stated in these Regulations the minimum limit allowable. It is preferable to reduce these values by using the best thermal insulation methods, or by using materials more resistant to heat that is available in the Emirate with suitable prices for the purpose of saving energy and reducing material costs at the same time.
2. Calculations of thermal load shall be submitted for approval by the concerned department of Municipality while presenting the engineering design drawings for the proposed building.
3. Contact points in the building, which are considered as a passage for the conveyance of heat from outside into inside, must be insulated.
4. Slopes shall be made for storm water drainage in all kinds of roof insulation details.
5. Attempt shall be made for reducing the area of glass surfaces as much as possible in the areas that receive the highest heat quantities at the prime