

- The nature of fire protection required as per the rating depends on the following parameters:
 1. Fire resistance period
 2. Type of protection used
 3. Coating / encasement of the steel section
 4. Record and size of the steel section
 5. Use and occupancy
- All proposed products and systems shall be checked and approved by Dubai Central Laboratory or an approved laboratories as per the approved codes and standards.
- All the details regarding fire protection shall be indicated in the drawings, such as classification of columns, slabs, roofs; in addition to the proposed fire protection system and all the other necessary information.
- All the details pertaining to fire protection shall meet the requirements of the relevant entities such as civil defense and be in accordance with the regulations stipulated in the emirate.

12 open architectural steel buildings

These buildings shall meet the allowable limits for fabrication and installation as per AISCA code. In case the allowable limit in the code is less than the values mentioned in this regulation, the most stringent values shall be met.

C) Pre-stressed Concrete

The following terms and conditions shall be taken in to consideration:

1. Only stress cables approved by Dubai Central Laboratory shall be used, with nominal stress resistance of (1860MPa).
2. Thickness of steel channel walls shall not be less than (0.4mm), galvanized flat or corrugated steel channels are acceptable.
3. Minimum thickness for pre-stressed slab is (200mm), in case of using lesser thicknesses, prior approval must be obtained.
4. Injection: injection material mix is composed of cement and water and anti-shrinkage material; where the minimum limit of resistance for the mix after (28) days is the same minimum concrete allowable limit with an allowance of (12N/mm²) and not less than (25N/mm²) in all cases.