

06. Fire Resistant Steel (FR)

The use of fire resistant steels successfully reduces the amount of fire protection.

- Eliminating fire protection specifications enables cost reduction, shorter construction period, and improved work environment compared to traditional buildings.



Application examples for multi-storey open car park



Application examples for external steel frame structures



Application examples for Atrium

Applicable sector

Multi-storey
open car park

External steel
frame structures

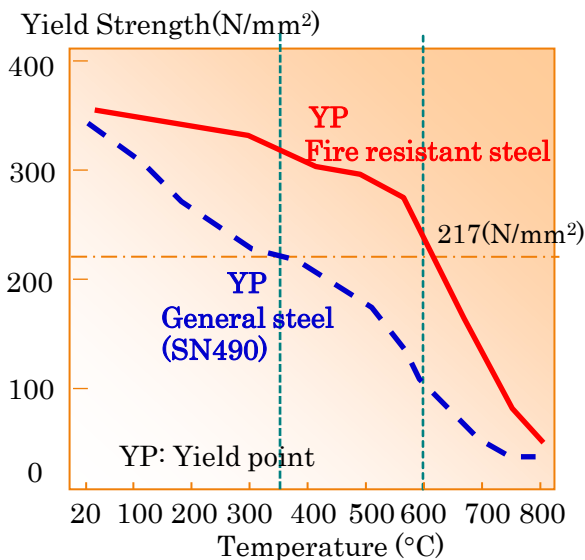
Atrium

Standard Condition of application

The design specification vary according to the standard of each country.

Feature

The steel materials which are superior in high temperature performance



- ✓ The proof stress at 600 ° C guarantees more than 2/3 of the normal temperature value of standard.

The performance of FR Steel at room temp. corresponds to that specified in the standards for ASTM A 1077, JIS G 3136

The design, workability, weldability of FR Steel at room temp. are the same as those of general steel.

Track Record

Overseas: None

Japan: A lot of past records available since its introduction in 1989. (multi-storey car park, atrium others.)

Cost

For particulars, please contact us using the contact information below.

Contact

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