

STRUCTURAL FIRE ENGINEERING

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Structural fire engineering is a specialist area of fire engineering. It assesses buildings in terms of their fire resistance, usually expressed in minutes or hours; and analyses the true response & behaviour of structural elements in a fire scenario.

While achieving a required fire scenario performance in concrete is generally straightforward, with steel there are more options and significant value can be

realized by implementing fire modelling to assess the exact fire rating required and structural fire analysis to determine the structural frame's reaction to real fire conditions.

The added value can be identified as follows:

- Commercial; by achieving considerable savings on Fire Protection for the client or
- Visual; in keeping with the architectural aspirations

