

A1 Fire Rated

Concrete has a very high ignition temperature and has a A1 fire rating to **4.3.4.4 of EN 13369**. Concrete simply cannot be set on fire like some other materials in a building. It is resistant to smothering materials, which can reach very high temperatures, igniting or even re-igniting a fire, and flames from burning contents. It will also not drip molten particles, which can cause ignition, unlike some plastics and metals.

Concrete has a high degree of fire resistance and, in the majority of applications, can be described as fireproof when designed using required standards. Concrete is a very effective fire shield. The mass of concrete confers a high heat storage capacity.

Its porous structure provides a low rate of temperature rise across a section. These properties result in a low rate of temperature rise that enables concrete to act as an effective fire shield.

