

Cold-formed Steel In Fire

Abstract:

Nowadays, light-gauge structures, made of cold-formed steel, have become increasingly popular due to factors such as cost and weight economy, sustainability, processes, the growth of powerful methods of analysis, etc. Thin-walled sections are more and more often used as primary members in industrial buildings, warehouses and even in multi-storey residential/office buildings. However, problems arise due to the thinness of the walls and there has been very little research on their behaviour in fire, which is surely worth investigating.