

Brandteknisk projektopgave

Titel: Brandsikring af historiske bygninger

År: 2011

Resumé:

Historical buildings can be very different, because of a large variety in kinds of use, construction and location. As a result of this there are large differences in character and quality of fire safety standards between these buildings. A buildings fire safety is outlined by former building traditions. Fire- and building regulations were and are still guidelines for a buildings fire safety. Historical building traditions and former legislation will be reviewed in this report. The impact of current Danish building act regulations on existing construction when changing usage and making alterations, including fire safety, will be described.

Valuable historical buildings are in Denmark by the public declared as cultural heritage and listed buildings, thus subject to various restrictions and regulations. This report highlights the practical difficulties and conflicts that may arise when implementing fire safety measurements in buildings listed as cultural heritage.

A number of fire technical solutions to maintain and improve fire safety in buildings are reviewed. In doing so, a series of fire safety concepts and installations will be explained. A range of practical guidelines and solutions for construction work and building improvements, which respect the buildings historical value, are given.

There was made a screening form to evaluate and document a building's current fire safety. Such a registration of a building's fire safety will be helpful in connection with forthcoming renovations and other building projects.

There are also checklists for registration and maintenance of a building's fire safety conditions in everyday use. These checklists may help to increase awareness about fire safety on the user side. The user's knowledge of active and passive fire protection systems in a building will hopefully ensure that these systems will be maintained and used properly. Screening form and checklists can be freely used and altered.