



Photo:
Finansparken Bjergsted,
SAAHA Arkitekter

Analytical fire design of timber buildings in fire class 3 in Norway

Guideline for fire safety designers & structural engineers

The fire safety for buildings placed in fire class 3 with timber structures, generally buildings with 5 or more floors, must be documented through an analytical approach. This requires competence and experience. Due to a long-lasting ban on the use of timber structures in these buildings, that was finally lifted in 1997, we lack some knowledge.

This guideline is therefore developed to collect and share knowledge on analytical fire safety design of timber structures for buildings where pre-accepted solutions are not given in the guidelines to the building regulations TEK17.

The aim is to increase the fire safety engineers' knowledge and expertise, as well as improve the quality of the analyses. It can also contribute to a more harmonised approach

amongst the fire safety engineers

The target group is consultants performing analytical fire safety design of buildings with timber structures placed in Fire class 3 according to the guidelines to TEK17.

The guideline describes methodologies for analytical fire safety engineering and refers to publications that can be relevant and useful. Analyses of buildings in the lower Fire classes 1 and 2 with deviations from the pre-accepted solutions can also be performed according to the recommendations given here.

Extensive knowledge on the methods and experience in analytical fire safety engineering is a prerequisite for the use of the guideline.

The guideline is available in Norwegian here:

www.FRIC.no.

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