



New Nordic handbook Brandsäkra trähus 3

Short background

Performance based fire regulations provide new opportunities to construct multi-storey timber frame buildings. According to previous Nordic regulations, timber frameworks could be used only up to maximum two floors (in Norway three). The change started in the mid 90-ies and improvements are still underway.



A new extended version of the Nordic handbook Brandsäkra trähus is being created in a project sponsored by NICE, Nordic Innovation Centre. Fifteen partners from seven countries are participating.

The project *Brandsäkra trähus 3* will use and apply recent European information to characterise the fire properties and performance of wood materials and timber structures in order to make the results easily accessible and disseminated to different target groups.

The new handbook will present design solutions for timber buildings that fulfil various fire requirements. Target groups are mainly engineers and architects, but useful information will also be found for authorities, teaching and product development.

Brandsäkra trähus 3 will be ready in spring 2010.

Main topics are

- o New methods for calculating the fire resistance of load-bearing and separating timber structures

- o The importance of building detailing, e.g. fire stops, roof eaves and fire safe design examples
- o Properties of wood products as linings in terms of both old national classes and new Euroclasses
- o New possibilities to use more wood as exterior cladding in multi-storey buildings
- o Strategies for fire safety including sprinklers and risk assessment

Project partners

Country Partner

Country	Partner	Person	e-mail
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Cooperating partners

Several other organisations are cooperating, mainly building authorities not directly involved as partners

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Further information and input

Please contact the coordinator or any of the national partners. Comments and input are very welcome.



Partners at kick-off meeting in Stockholm November 2008.