

## DOCUMENTATION

### SINTEF 010-0213

With reference to the Norwegian building regulations, revised 1997-06-13, with the belonging guidance of 1997-01-22, revised April 2003, we document, on the basis of test certificates and evaluations, that this product meets the requirements of the Norwegian authorities as to the fire related qualities.

**Building materials:** Viking Fireguard Window

**Product responsible:** Viking Window AS  
Mäo 72 751 Järvamaa, Estonia

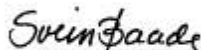
The documentation is conditional on that the product is in accordance with the specifications given in the appendix and that the products is applied and used in accordance with regulations and all important details in this process follow precisely what is described in a user instruction, which is checked, accepted, stamped and signed by SINTEF NBL as. Both the user instruction and the SINTEF Documentation shall follow the product or be available for the purchaser, user, inspector and the local authority.

The product shall be labelled with **SINTEF 010-0213**, trade name, product responsible and/or manufacturer together with a reference to the production for traceability. The labelling shall have good visibility.

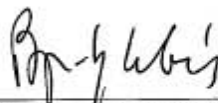
The product must have at least one annual, external inspection related to the internal system for control of quality. The inspection is adjusted to the type of product and other existing inspection arrangements. Details specified in a written agreement with NBL.

First issued 2006-11-24. A renewal may be issued based on a written application. Termination by the applicant shall be asked for in writing and with 6 months notice. SINTEF NBL as may withdraw this documentation when irregularities or misuse happens and written instructions are not respected.

Issued: 2006-11-24  
Valid until: 2011-11-24


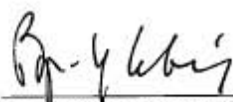


Svein Baade  
Section manager documentation



Bjørn-Inge Kaasbøll  
Senior Engineer documentation

This document is an English version of the Norwegian documentation SINTEF 010-0213 dated 2006-11-24.

**Appendix 1 for documentation SINTEF 010-0213 dated 2006-11-24.****Trade name:** Viking Fireguard Window**Manufacturer:** Viking Window AS**Description:** Fire classified non-loading bearing wall / window element. Fixed window with a frame of wood (pine or harder wood) and 36 mm double glass which are made of 17 mm Swissflame EI 30 + 15 mm air-gap + 4 mm float glass. Alternatively 12 mm air-gap + 6 mm float glass.  
Max outer frame dimensions: 1700 x 2300 mm (w x h)  
Max glass dimensions: 1604 x 2205 mm (w x h)  
Glazing beads of wood (pine or harder wood)**Application:** The windows are proved for fire from both sides, and can be fixed together sidewise in unlimited numbers.  
The elements can be fixed together vertically until a max height of 2300 mm. The proportion can be changed between width and height as far as the max measurements for width and height given above are not exceeded.  
The distance between the fixings can be reduced.  
Installation in an angle up to 10 degrees from the vertical is accepted.  
Can be installed in constructions defined as standard supported constructions (brick- and plaster board walls) or similar construction with the same or higher fire resistance.**Fire resistance:** EI 30**Basis of tests and test reports:** Test report: 103010.87 dated 2006-10-05 according to EN 1364-1.  
Assessment report: 103203.07 dated 2006-10-05 and classification report: 103015.21 dated 2006-10-05 according to EN 13501-2:2003. All reports from SINTEF NBL as.**Issued: 2006-11-24**  
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