

Fire resistance according to EN 1634-1:2008 of a roller blind constructions, type
Firescreen Radiation, hung in the clear opening of the support

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- a. has examined the fire resistance according to EN 1634-1:2008 of a roller blind construction, type Firescreen Radiation, with curtain dimensions 2896 x 2898 mm (W x H), hung in the clear opening of the support structure:
- b. conducted two additional assessments of this type of roller blind construction.

The reports on these examinations, including the conditions regarding the scope of the results, are provided in Efectis report 2010-Efectis-R0937 and in the additional assessment reports 2010-Efectis-R0976 [Rev.1] and 2010-Efectis-R1141.

The conclusions as stated in these Efectis reports also comply with Annex A of NEN 6069:2011.

Some characteristic data pertaining to the examined construction include:

Fire resistant cloth	Latera guides	Casing
Dimensions - height: 2898 mm - width: 2896 mm - thickness: 3.0 mm	U-profile: 120x65x120cmx1.5 mm cold-worked Sendzimir-galvanised steel plate for the purpose of cloth guidance	Sendzimir-galvanised steel plate 1.5 mm

Conclusion according to EN 1634-1:2008

Subject to the conditions set forth below, it has been determined that the following applies to the aforementioned product, described in report 2010-Efectis-R0937: Fire resistance with regard to the separating function, as defined in EN 1634-1:2008, 136 minutes (on the basis of the EW-criteria).

Conditions and scope of application

The conclusion pertains only to constructions that are similar in detail, including materials used, to the examined construction and that meet the following conditions:

- a) the cloth may not be replaced by a different type;
- b) the number of fixtures used to attach the guides and casing to the support structure may be increased, but not decreased.
The centre-to-centre distance between the fixtures may be reduced, but not increased;
- c) permissible dimensional variations: dimensions of the cloth smaller than, or equal to, examined cloth; possibilities for enlargement of the construction are included in the additional assessment reports (see also table of dimensions below);
- d) the construction must be hung inside the opening of the support structure;
- e) the roller blind construction must be mounted on an aerated concrete wall with a thickness of at least 150 mm and a specific mass of at least 650 kg/m³.
- f) it is allowed to change the type of materials used for metal parts, such as guides, consoles and casing, as long as the melting point of these materials is equal to or higher than the previously applied material.

Extension of scope of application

Based on Efectis report 2010-Efectis-R0976 [Rev. 1], in the opinion of Efectis and for use on the Dutch market, the following modifications of the construction are permitted as defined in Annex A to NEN 6069:2011. This particularly concerns a modification of:

- the roller tube at the top of the construction,
- a different mounting into the recess of the supporting wall, and
- mounting for the recess in the supporting wall (assembly to the wall).

The tested cloth is also suitable as a replacement for the cloth in test report No. 2003-CVB-R0235.

Table of dimensions

Fire resistance (as defined in Annex A to NEN 6069:2011)

Assembly in the clear opening	60 minutes	90 minutes	120 minutes
Maximum width	12,000 mm	6,000 mm	4,500 mm
Maximum height	8,000 mm	6,000 mm	4,500 mm
Maximum surface	36 m ²	24 m ²	16 m ²

Validity

Due to developments in European legislation, the assessment for larger dimensions has a limited validity. The validity term depends on:

- The date when CE-marking becomes mandatory for fire curtains being **1 November 2019**.