

VKF

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Association of cantonal fire insurance

Association of the ÉtaBlissement Cantonaux d'Asrance Incendie

Associazione degli iStituti Cantionali di Assicurazione Antincendio

Fire protection guideline

Building materials and components

classification

01/01/2017/13-15DE

Building materials and components / 13-15de

Fire protection guideline

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Notes:

Provisions from the fire protection standard are stored in the gray fire protection guideline.

The current issue of this fire protection guideline can be found on the Internet at

www.praever.ch/de/bs/vs

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- Section 2.4.1, table (page 8)

Changes in the appendix:

- to Section 3.4, table (page 24)

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Fire protection guideline

Building materials and components / 13-15de

1

Scope

The provisions of this fire protection guideline:

A explain the fire protection classification of building materials and components which is based on the EN classification system;

B explain the fire protection classification of building materials and components VKF;

C determine which fire resistance classifications according to the component in the Switzerland are used.

2

Building materials

Building materials are classified via standardized tests or other VKF-based procedures. Decency criteria are in particular fire and smoke behavior, burning. Drain and corrosiveness.

2.1

Terms for the use of building materials

1

Building materials are in the following fire behavior in terms of their fire behavior

Groups [abbreviated = RF (by Franz. Reaction au Feu)] divided:

RF1 (no fire contribution);

RF2 (low fire contribution);

RF3 (permissible fire contribution);

RF4 (inadmissible fire contribution).

2 as building materials with critical behavior [abbreviated = CR (by Franz. Comportement Critique))] are called building materials, which are due to their smoke development and / or the

drain / fall and / or their corrosiveness etc. In the event of a fire,

can lead to the fire effects

3 are building materials both according to EN and according to VKF and must therefore

different fire behavior groups are assigned, the application is

possible to the groups without restriction.

4 constructions from individual layers, which contain combustible building materials, are

All of the RF1 assigned, provided that they are encapsulated on all sides. Required

Cherity distances to combat aggregates, exhaust gas plants, etc. are from the outer edge of the

To adhere to the capsule.

2.2

Classification of building materials according to EN

2.2.1 General

1 The classification of building materials takes place according to the relevant European standards (see section 5 "Further provisions").

2 building materials, which through decisions of the European Commission on the classification tion of the fire behavior of construction products without further testing (CWFT, classification

Without Further testings) are assigned to a classification, tested building materials are equivalent. The prerequisite is their publication in the Official Journal of the European Union.

3 building materials may only be used for the application provided for in the exam.