

Fire behavior and fire ratings



In general, all LIVEO RESEARCH rigid PVC films are self-extinguishing outside the flame.

A part of our print film product range is also tested according to German, French and European test procedures.

Germany / “B1 films”

German Industrial Standard DIN 4102 defines the behaviour of building material and components in fire. A distinction is made on the basis of building material class:

- A – non combustible building materials
- B – combustible building materials

There are 3 grading in class B which apply to rigid PVC film:

- B1 – flame resistant building materials
- B2 – normally flammable building materials
- B3 - readily flammable building materials

The LIVEO RESEARCH grade “B1 / 507 ED” is certified in 250 µm (acc. EN 13501/1*), 300 – 450 µm (acc. DIN 4102) and 500 - 700µm (acc. EN 13501/1).

**EN 13501/1 is the new European fire classification*

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France

In accordance with NFP 92 505, the building materials are subdivided into 6 classes, ranging from M 0 (non-combustible) to M5 (very readily flammable).

Since 2019 LIVEO RESEARCH grades 315/316 in white and 107/305/306 in clear are M1 certified in 200-700 μ thickness.