



**Engineering progress  
Enhancing lives**

## **RAUKANTEX FP**

Technical information



# RAUKANTEX FP – Technical information

## 1. Preventive fire protection saves lives



### Did you know?

- 95 percent of those killed in fires die as a result of smoke inhalation.
- Three breaths of highly toxic fire smoke will lead to unconsciousness.
- Just two minutes of exposure to smoke gas can be fatal.

Fire protection is the be-all and end-all in building construction, as well as for local and long-distance transport. Smoke development of the materials used in interiors is particularly crucial in an emergency situation. Strict legal requirements for passive fire protection therefore apply here as well.

RAUKANTEX FP from the REHAU fire.protect product family offers self-extinguishing edgebands with halogen-free flame retardants for wall coverings and furniture which meet the key European fire protection requirements and, at the same time, do not limit the design.

## 2. Application areas

Whether it's an exhibition hall, hotel, kindergarten, school, hospital or local and long-distance transport:

in all of these places, safety is paramount. People need to be as protected as possible and—in the event of a fire breaking out—be exposed to only the smallest possible quantities of smoke and toxic gases. It must be possible to escape from the buildings or vehicles without loss of orientation. Equally, it is important that the effect of the fire is not enhanced by the materials.

RAUKANTEX FP can be used for the circumferential edging of flame retardant wood-material carrier board, such as front panels, decorative wall and ceiling cladding, surfaces, tabletops and cabinet components.

## 3. Product properties

### Product series/line

RAUKANTEX fire.protect / RAUKANTEX FP

### Available for the following materials

ABS

### Material type

ABS 789 (special ABS blend)

### Dimensions

- Edgeband width: 12.0 – 45.0 mm
- Edgeband thickness: 1.0 – 2.7 mm
- For available dimensions, see the REHAU approval matrix: [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp)
- Dimensions not appearing there require a specific individual assessment of technical feasibility.

### Embossing

For the restricted FP embossing collection, see the REHAU approval matrix: [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp) (embossing required for technical reasons – smooth not available)

### Surface

Plain colors and decorative designs

### Tested according to

- EN 13501-1\* B-s2, d0 for building construction; for tested combinations, see REHAU approval matrix: [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp). Testing covers the entire range of the dimensions shown above as well as all available colors and surface finishes → Based on test report, free combination of the three components is possible: board collection, edgeband collection and adhesive.
- EN 45545-2 R24 HL1, HL2, HL3 for rail vehicles; testing carried out independently of board and adhesive.

### Special details

- Halogen-free ABS blend for fire-protection applications.
- Self-extinguishing upon removal of ignition source.
- Complete design freedom, as opposed to other fire-protection solutions.

\*For composite testing with a specific combination of edgeband, board and adhesive, please see our technical information at [www.rehau.com/ti-raukantex](http://www.rehau.com/ti-raukantex).

### **Processing**

Machine processing with common edgeband-gluing machines, similar to conventional edgebands. No special tools and/or equipment required (please note: some fire-protection boards may require special tools and/or equipment). Recommendations regarding adhesive and carrier materials can be found in REHAU approval matrix M01692 at [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp).

### **4. Legal information**

This technical information is a supplement to the technical information for ABS edgebands (print number M01671). The specifications of the document / print number specified apply for all items (e.g. tolerances etc.) not explicitly mentioned here.

### **5. RAUKANTEX FP landing page**

Other valuable information, details and tips on RAUKANTEX FP can be found on our landing page: [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp).

### **6. Other notes**

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#### **Attention!**

We would like to expressly point out that the RAUKANTEX FP edgeband can only exhibit its fire-retardant properties in an optimum way in combination with suitable adhesive and board material.

The edgeband itself is fire retardant (it does not have an extinguishing effect!), which means that the edgeband extinguishes itself after removal of the flame or ignition source.

It is crucial to note that the properties of the product can be heavily influenced by the combination of unsuitable components (adhesive, carrier material, etc.). In extreme cases, they can even be nullified. REHAU recommends only combining products which exhibit sufficiently high fire resistance.

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As already cited in point 3, Product properties, tested and approved composites as per EN 13501-1 can be found in REHAU approval matrix M01692 at [www.rehau.de/raukantex-fp](http://www.rehau.de/raukantex-fp).

This is continually updated and contains all necessary information regarding approved adhesive and carrier material combinations as well as all currently available dimensions and embossing types.

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