

SIKA SOLUTIONS HELP TO SAVE LIVES

In case of fire within buildings smoke and heat will spread through penetrations and joints endangering residents and blocking escape paths.

Fire protection solutions from Sika seal penetrations and joints and help retain fire and smoke to where they occur for a certain time, allowing inhabitants to exit the building safely.

Sika fire rated products and systems comply with the most relevant standards (EN, ETAG, UL, ASTM) in order to ensure the highest fire resistance.

DIFFERENCE BETWEEN "REACTION TO FIRE" AND "RESISTANCE TO FIRE"

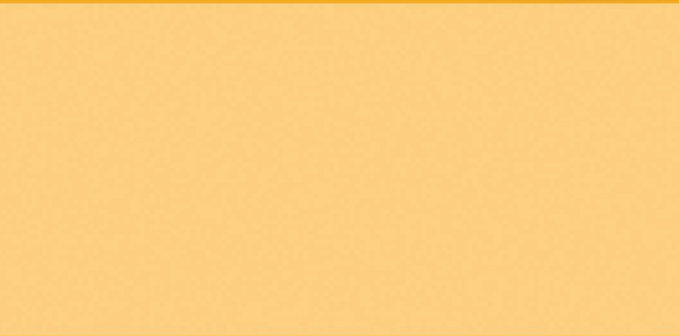
A "flame retardant" product (e.g. B1 foam) is not a "fire resistance" product. There are two different types of fire testing for building materials:

- **Reaction to fire:** How does the product react to an open flame? The reaction to fire is described by the combustibility, smoke development and dripping behaviour.
- **Fire Resistance:** How long can a product that is built into a fire protection system withstand the impact of fire. This is described by the resistance time during standardized fire tests e.g. EI 240.

For the fire resistance of a building only the combined resistance of the individual system components counts. For example a fire resistant door together with the fire resistant sealant and wall can hinder the spreading of fire and smoke. Therefore fire resistant tests are much more important than the reaction of a product to a flame.



KNOW-HOW FROM SITE TO SHELF



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BUILDING TRUST



SIKA FIRE PROTECTION SOLUTIONS FOR JOINTS AND PENETRATIONS



Sika fire protection solutions for all major applications

APPLICATION

INTERIOR WALL & FLOOR JOINTS

1 2 3 4

Sikacryl®-620 Fire
Sikasil®-670 Fire

1 2 3

SikaBoom®-400 Fire
Sika Backerrod Fire & SikaHyflex®-250

EXTERIOR WALL & FLOOR JOINTS

6 7 8 9

Sikasil®-670 Fire

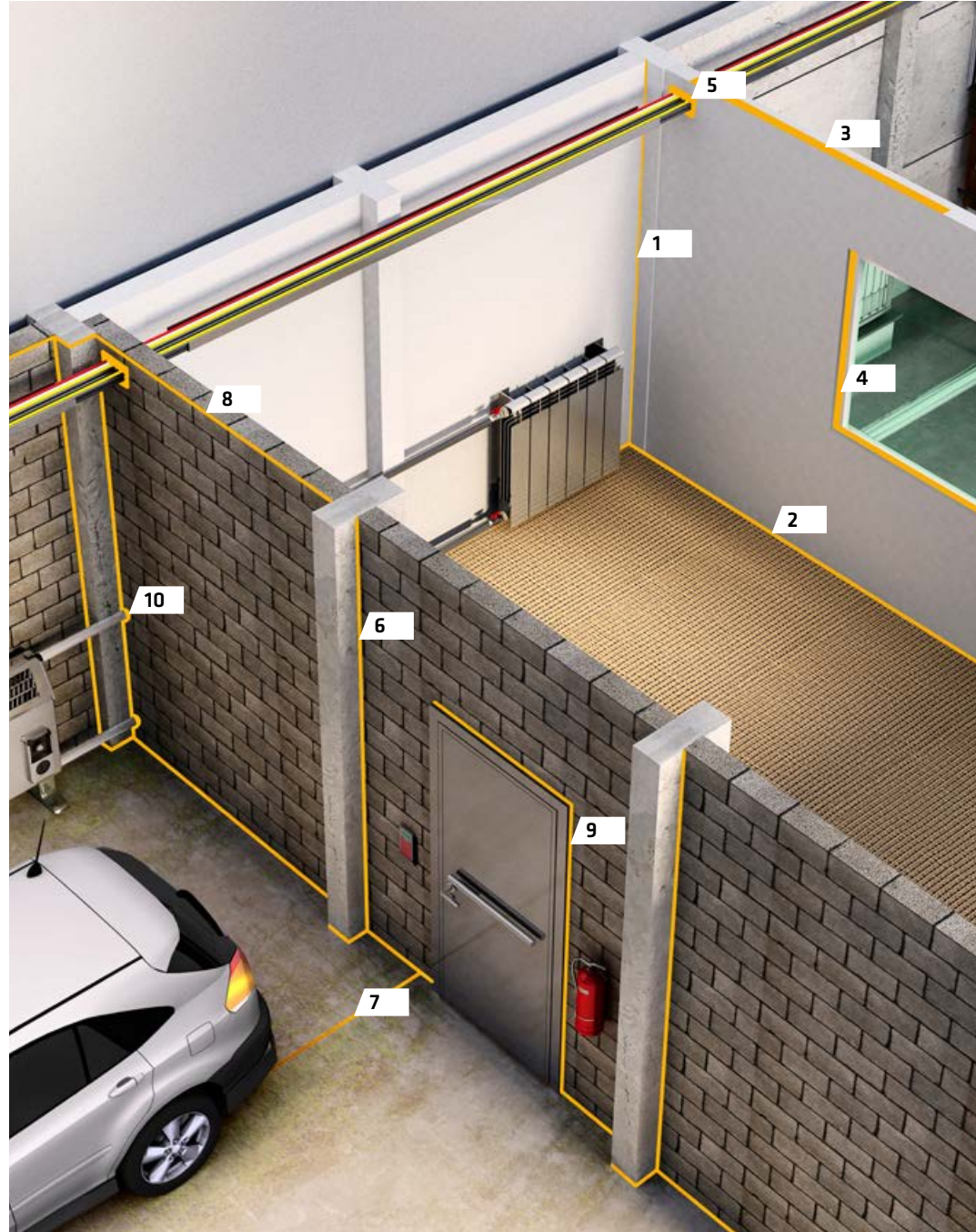
6 7 8

SikaBoom®-400 Fire
Sika Backerrod Fire & SikaHyflex®-250

PENETRATIONS

5 10

Sikacryl®-620 Fire



SIKA SOLUTIONS



Sikasil®-670 Fire

1-part, elastic fire rated silicone joint sealant for interior & exterior application

Technical approvals:

- ISO 11600 25 LM
- EN 1366-4
- ETAG 026
- EN 13501-1
- EN 13501-2
- BS 476-20
- UL 2079



Sikacryl®-620 Fire

1-part, intumescent fire rated acrylic sealant

Technical approvals:

- EN 1366-3
- EN 1366-4
- ETAG 026
- EN 13501-2
- BS 476-20
- EN 13501-1
- UL 2079



SikaBoom®-400 Fire

1-part, high yield, fire rated polyurethane combi foam which can be applied either by application gun or attached nozzle

Technical approvals:

- EN 1366-4
- EN 13501-2



Sika Backerrod Fire & SikaHyflex®-250

Universal fire resistant backer rod for movement and connection joints

Technical approvals:

- EN 1366-4
- EN 13501-2