

▶ **THE TOP 3** ▶▶

New applications  
of FKRS-EU fire dampers



CE

## ► CE certified fire protection solutions for Europe ►►



### Small but powerful!

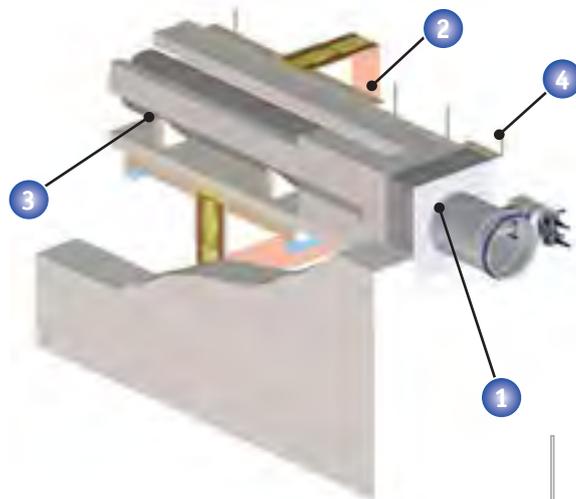
FKRS-EU fire dampers are used for the isolation of duct penetrations between fire compartments, and thanks to their compact size they are ideal for restricted spaces. We had them certified years ago, and they have since provided utmost safety in a wide range of building types. What is new is that the FKRS-EU has just been tested and approved for several new applications.

### #1 A problem solver in small spaces: duct cladding on two, three or four sides

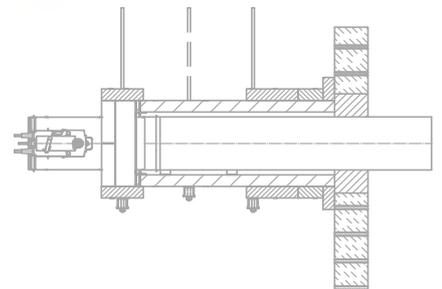
Straight through the wall? This is standard. Many fire dampers fulfil it, including the TROX FKRS-EU. But what if the installation location does not allow for this standard application? Then you need innovative solutions. And this is why we've had the FKRS-EU tested also remote from lightweight partition walls and in adjacent walls and ceilings. For 90 minutes. Successfully!

What are the advantages?

- Ducts can have cladding on two, three or four sides, whatever is suitable for the project.
- A space saving solution. Problem solved!



- 1 FKRS-EU with installation kit WE
- 2 Metal stud wall
- 3 Sheet steel duct
- 4 Suspension

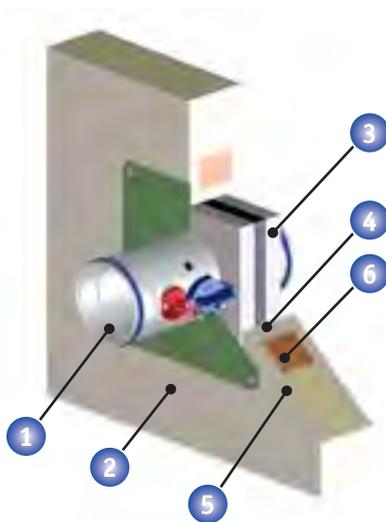
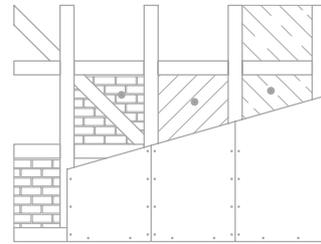


You'll find more applications  
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## #2 A marvel of versatility: for timber stud, timber frame and half-timbered walls

Renewable energy sources and sustainable building are no longer just buzzwords; they are in fact becoming increasingly important. Timber stud constructions in particular are a growing market segment. To meet this new requirement, we've had the small circular FKRS-EU tested and certified for installation in the most common timber stud walls. FKRS-EU fire dampers have been approved (EI90S) for:

- each type of construction: timber studs, timber frames and half-timbered walls
- each type of installation: dry, wet or with a fire batt

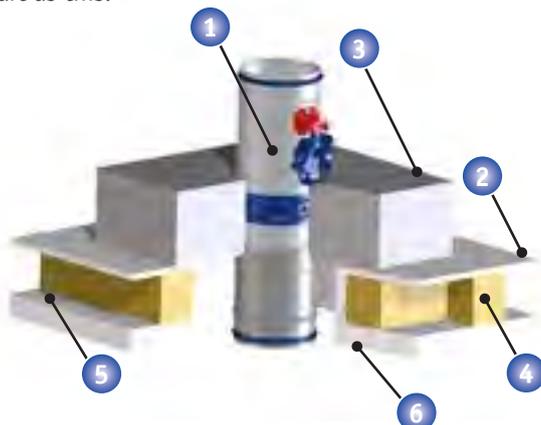
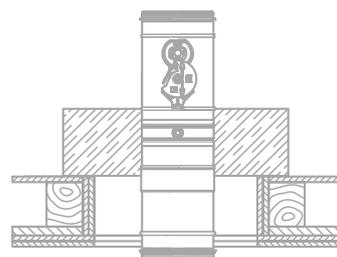


- 1 FKRS-EU
- 2 Timber stud wall or half-timbered construction
- 3 Installation kit TQ
- 4 Trim panels (plasterboard)
- 5 Wall cladding
- 6 Timber

## #3 A smart little damper: for wooden beam ceilings

FKRS-EU fire dampers are ideal for wooden beam ceilings in new builds as well as in refurbishment projects. One would think that a specific fire damper test is required for every single type of ceiling. We have, however, found an intelligent solution: The part of the fire damper which is above the ceiling is cast in a piece of concrete such that a small solid ceiling slab is created around the damper. This combination of a solid ceiling slab and a wooden beam ceiling is suitable for all fire-rated ceilings as long as they meet the structural requirements. An additional advantage: The fire damper is raised to the level of the floor surface. It's as simple and smart as this:

- Build the formwork
  - Cast the concrete
- Done!



- 1 FKRS-EU
- 2 Wooden floorboard
- 3 Reinforced concrete
- 4 Wooden beam
- 5 Formwork
- 6 Fire-resistant cladding



# TROX<sup>®</sup> TECHNIK

The art of handling air

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