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New certificates, new applications TROX FK-EU fire damper – the all-rounder

FK-EU fire dampers are used for the isolation of duct penetrations between fire compartments; they come in many different construction variants and are suitable for a variety of application situations. What is new is that the FK-EU has just been tested and approved for several new applications.

An overview:

Timber frames

Timber frames are considered sustainable and are hence becoming increasingly popular, particularly in southern Germany. To meet this new requirement, TROX had the FK-EU tested for installation in the most common lightweight partition walls with a timber frame. And then successfully. The FK-EU has been approved (EI90S) for the following applications:

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

Wooden beam ceilings

Ceilings with wooden beams can pose a problem in new builds as well as in refurbishments. One would think that a different fire damper test is required for every single type of ceiling. TROX has, 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 solution can be used for almost all fire-rated ceilings; the combination of a solid ceiling slab with a wooden beam ceiling has been tested and certified.

Reduced distance to ceilings and floors

Fire dampers in lightweight partition walls are a standard application. This application may pose difficulties if there are space constraints or if the original design of the building changes. In the case of mortar-based installation, a reduced distance to ceilings and floors was approved a long time ago. Now TROX has also received approval for dry mortarless installation with reduced distances. The part of the installation kit that faces the ceiling or floor has to be removed, and the gap between the damper and the trim panel has to be sealed. This solution allows for distances of only 40 to 45 mm.

For information on more applications and for the technical documentation please refer to www.troxtechnik.com.

Press Release

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The art of handling air



The all-rounder: TROX FK-EU fire damper

TROX is leading in the development, manufacture and sale of components, units and systems for the ventilation and air conditioning of rooms. With 29 subsidiary companies in 28 countries on 5 continents, 14 production facilities, and importers and representatives, TROX is present in over 70 countries. Founded in 1951, global market leader TROX, whose international head office is in Germany, generated in 2015 with a total of 3,700 employees around the globe revenues of €482 million.

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Press Release