SWIFT FIRE COMPLIANCE

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# FIRE DAMPER FRAME TYPES / MOUNTING METHODS

## WHAT ARE FIRE DAMPER FRAMES OR MOUNTING METHODS?

Fire damper frames are the structures in which a fire damper sits, providing a tight seal around the fire damper. As with the fire damper itself, to achieve a compliant installation it must be installed in accordance with the manufacturer's published installation documents. Fire damper frame types, as specified in **Section 15 of DW145**, are:

- Wall flanged
- HEVAC frame
- Ablative batt
- Plastered-in
- Reverse deflection head
- Cleat hung
- Cavity barrier
- Face mounted

### HEVAC FRAME

HEVAC frames are usually used in masonry walls because the frame thermally expands. They are installed with a **10 mm gap** around the damper to prevent the wall from cracking when the frame expands during a fire.

### PLATE FRAME

The plate frame is commonly used for concrete floors and walls, and on occasion drywall, depending on the fire rating. It is easy to install with less reliance on additional fire stopping.

### PLATE FRAME (2)

This is another type of plate frame and, as well as being used for vertical installations in masonry walls and drywall partitions, it is often installed horizontally in concrete floor slabs.

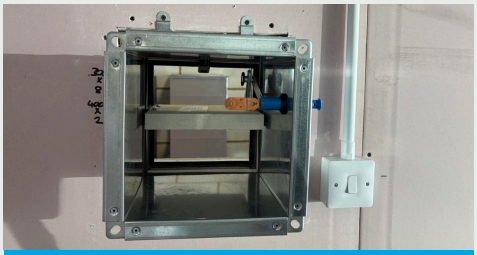
### ABLATIVE BATT

The ablative batt board is designed to seal openings when thermally activated by flame or heat exposure during a fire. It is used around cables, pipes, ductwork and other service penetrations, helping to restore the fire rating of walls and floors.

Suitable for both stud walls and masonry or concrete structures. This design also helps to reduce noise transfer while supporting overall fire compliance.

### PLASTERED-IN

This is the easiest method of installation, where a solid wall allows a damper to be directly plastered in. This is an example of a HEVAC frame installed into a masonry wall. The **10 mm gap** around the damper is clearly visible.



### CLEAT HUNG

Where a damper does not require additional support outside of the wall, the frame will be cleat hung. Some installations are supported independently.