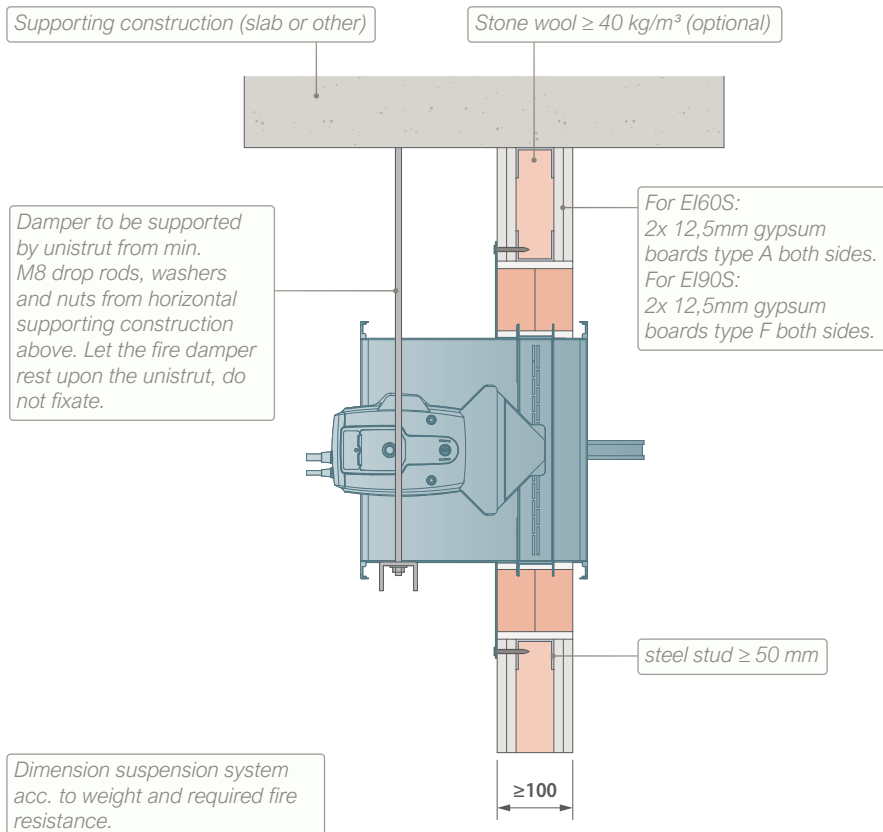
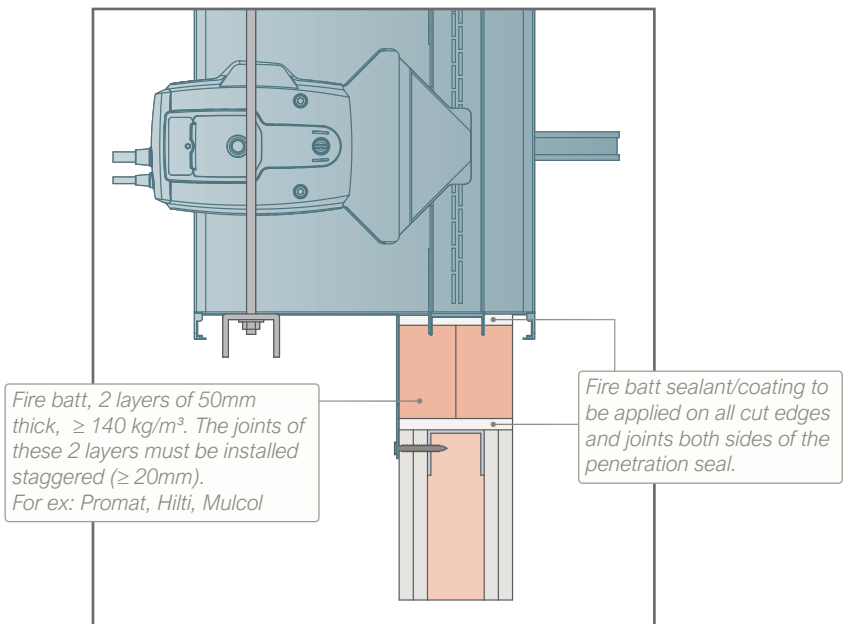
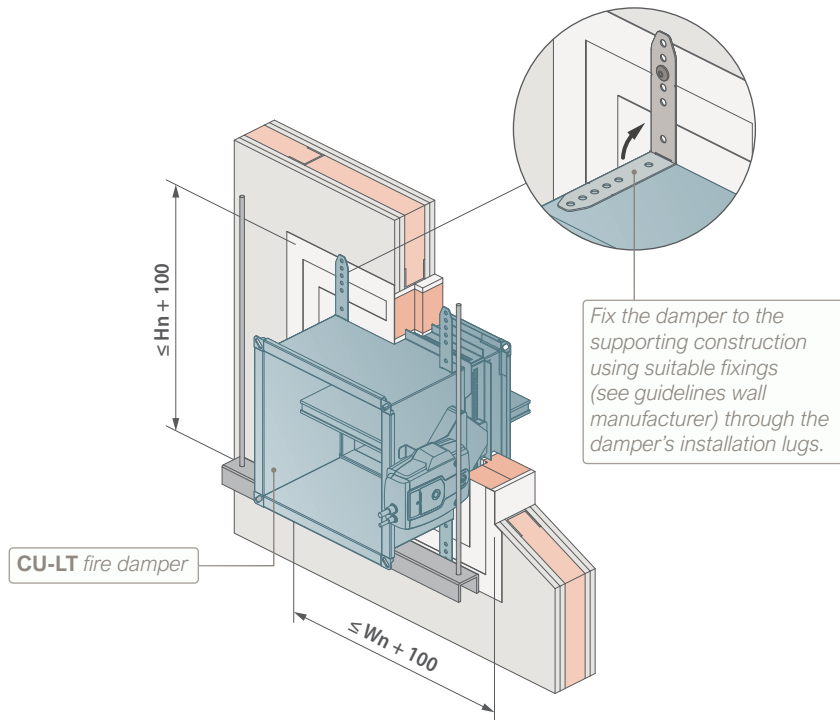
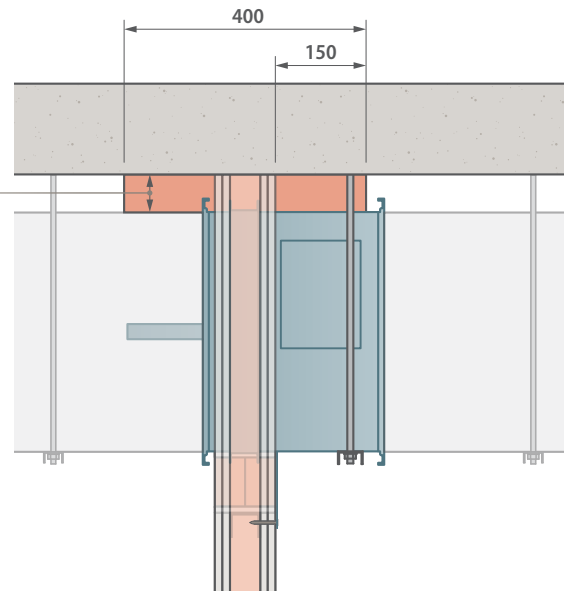


CU-LT FIRE DAMPER



- If distance from damper tunnel to horizontal supporting construction $\geq 75 \text{ mm}$: apply 2 layers of fire batt as shown above.
- If distance from damper tunnel to horizontal supporting construction ≥ 50 and $< 75 \text{ mm}$: apply fire batt (density min. 150 kg/m^3) between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the fire batt nor use coated fire batt.
- If distance from damper tunnel to horizontal supporting construction ≥ 25 and $< 50 \text{ mm}$: apply stone wool (density min. 40 kg/m^3) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the stone wool

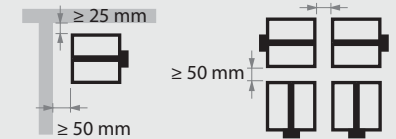


TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with blade in vertical or horizontal position.



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- For larger wall openings. See CU-LT Fire Damper Technical Datasheet.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU-LT Technical Datasheet.



- To be read in conjunction with the CU-LT Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Installation lugs as shown in the drawings are available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper. Rf-T can provide an inspection opening on the damper body upon request (option UL).
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU-LT fire damper in flexible supporting construction.
Installation detail with fire batt.

CLASSIFICATION

EI 60/90 (ve i↔o)S

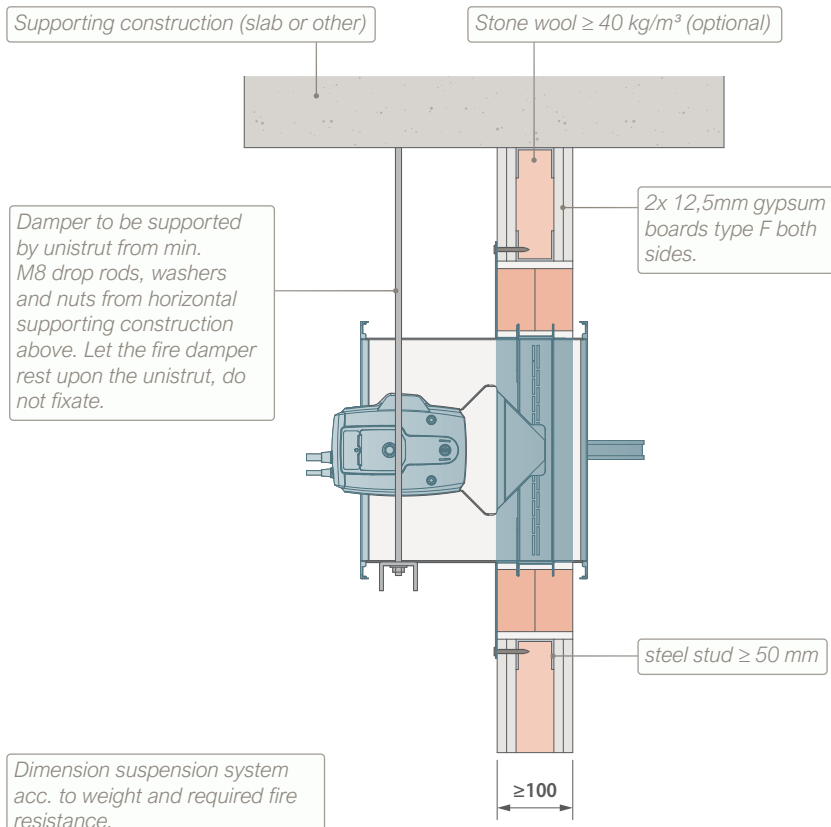
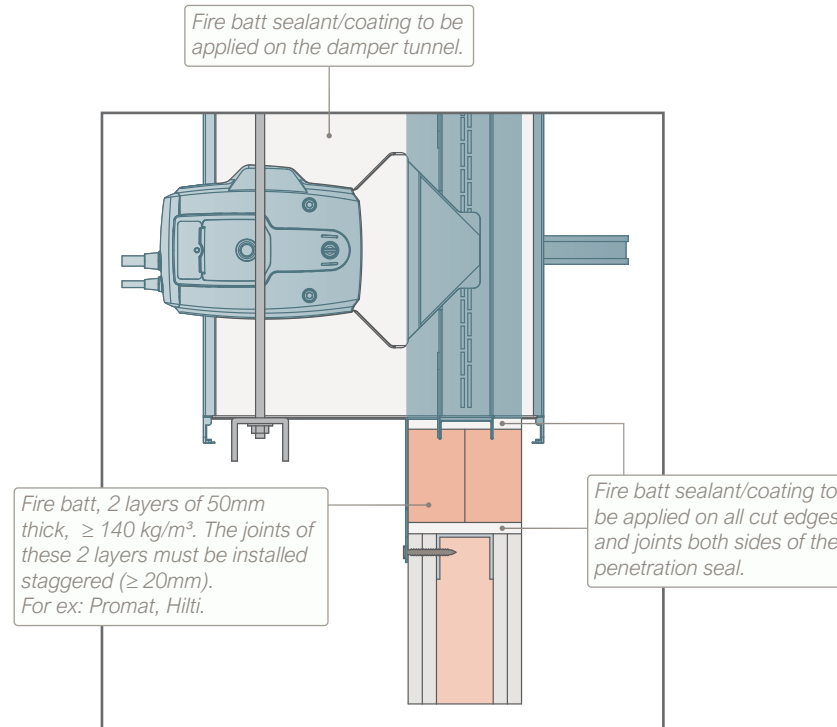
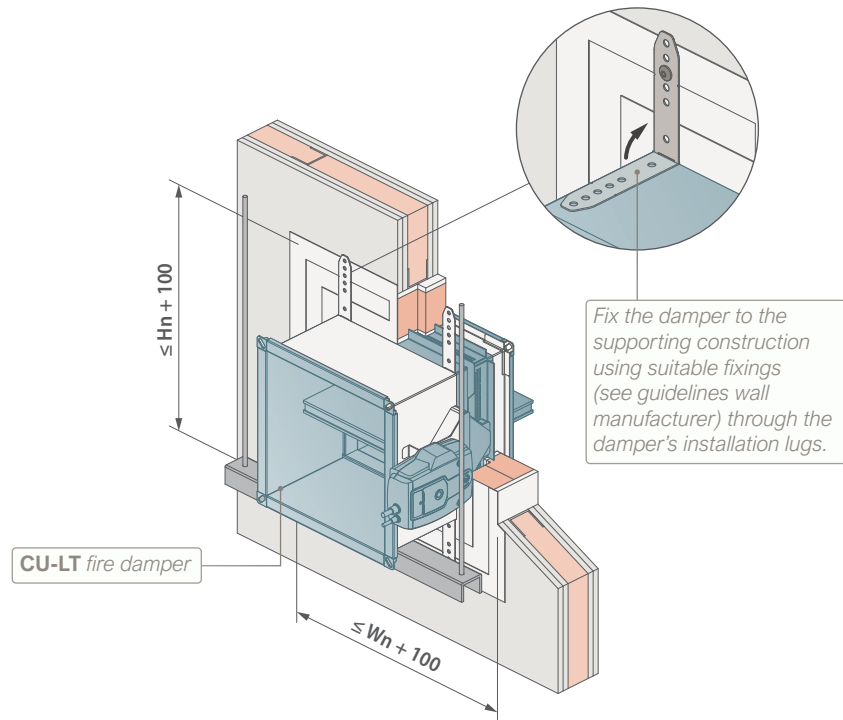


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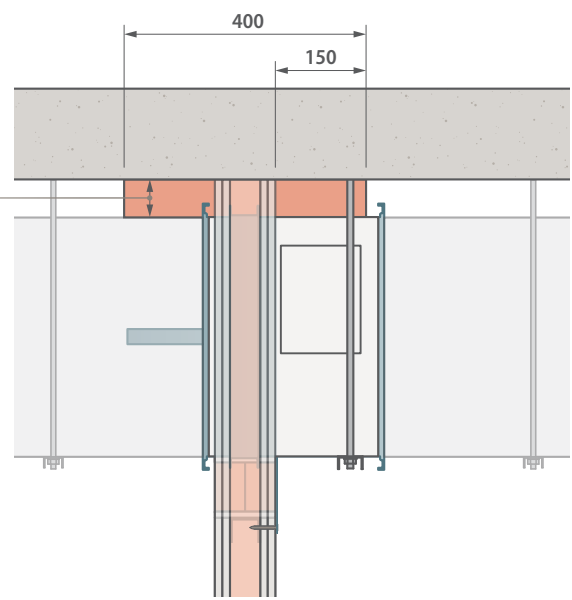
DATE
27/09/2023



CU-LT FIRE DAMPER



- If distance from damper tunnel to horizontal supporting construction $\geq 75 \text{ mm}$: apply 2 layers of fire batt as shown above.
- If distance from damper tunnel to horizontal supporting construction ≥ 50 and $< 75 \text{ mm}$: apply fire batt (density min. 150 kg/m^3) between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the fire batt nor use coated fire batt.
- If distance from damper tunnel to horizontal supporting construction ≥ 25 and $< 50 \text{ mm}$: apply stone wool (density min. 40 kg/m^3) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm. Not required to coat the stone wool

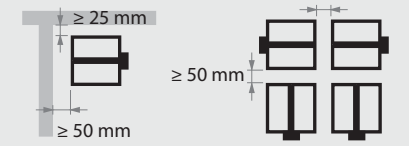


TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with blade in vertical or horizontal position.



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- For larger wall openings. See CU-LT Fire Damper Technical Datasheet.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU-LT Technical Datasheet.



- To be read in conjunction with the CU-LT Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Installation lugs as shown in the drawings are available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper. Rf-T can provide an inspection opening on the damper body upon request (option UL).
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU-LT fire damper in flexible supporting construction. Installation detail with fire batt and coating on the damper tunnel.

CLASSIFICATION

EI 120 (ve i↔o)S

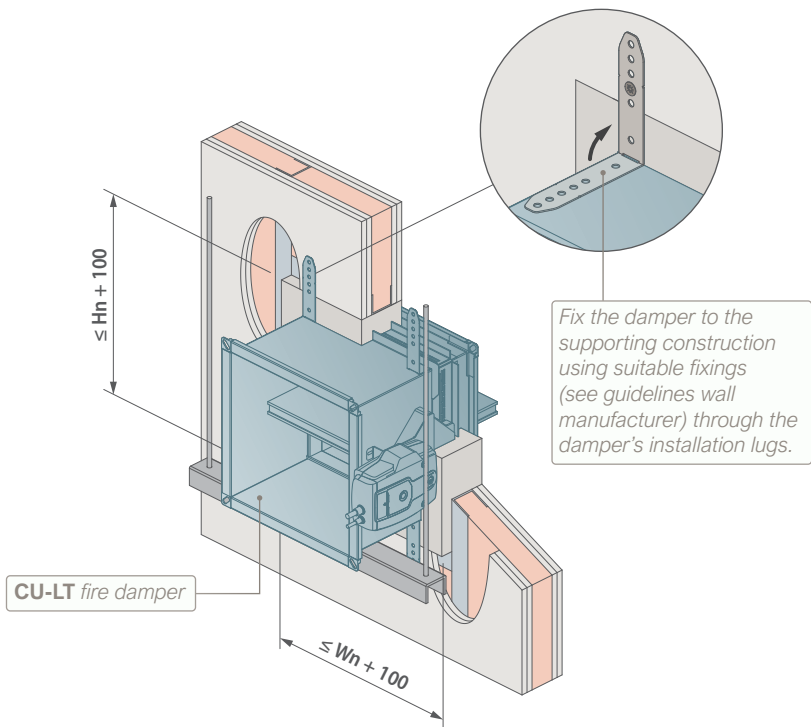


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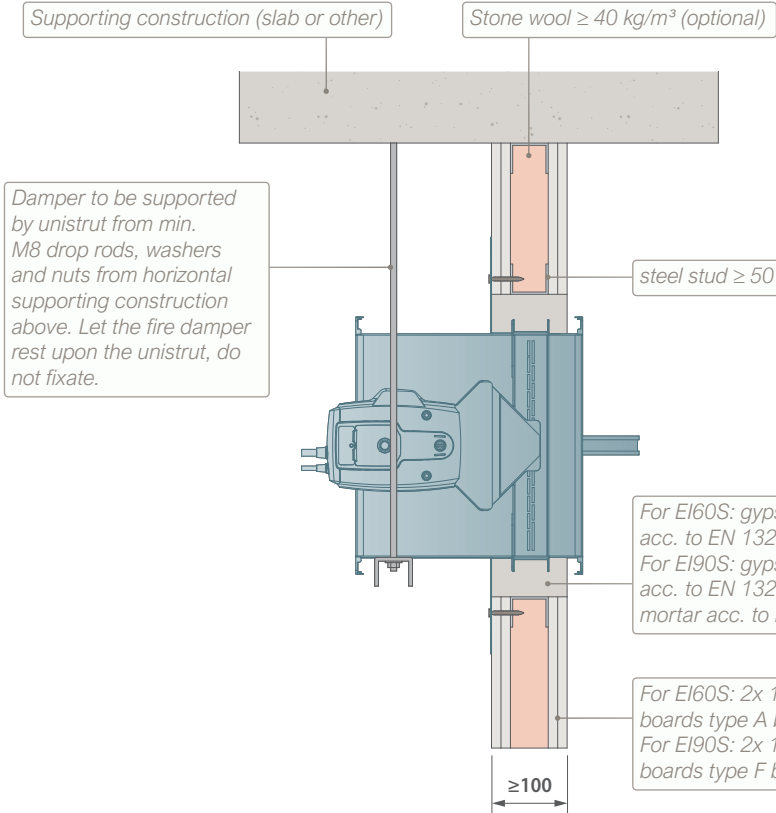
DATE
27/09/2023



CU-LT FIRE DAMPER



Fix the damper to the supporting construction using suitable fixings (see guidelines wall manufacturer) through the damper's installation lugs.

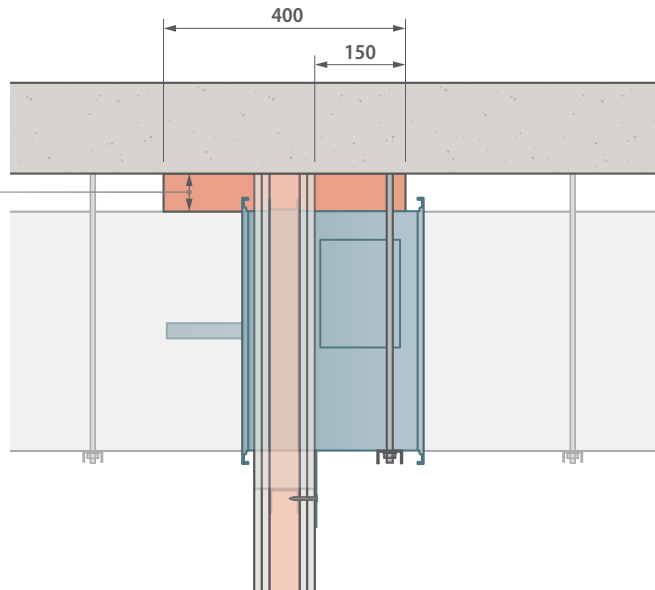


For EI60S: gypsum based plaster acc. to EN 13279-1
For EI90S: gypsum based plaster acc. to EN 13279-1 or masonry mortar acc. to EN 998-2

For EI60S: 2x 12,5mm gypsum boards type A both sides.
For EI90S: 2x 12,5mm gypsum boards type F both sides.

≥ 100

- If distance from damper tunnel to horizontal supporting construction $\geq 75 \text{ mm}$: apply gypsum based plaster or mortar as shown above.
- If distance from damper tunnel to horizontal supporting construction ≥ 50 and $< 75 \text{ mm}$: apply fire batt (density min. 150 kg/m^3) between fire damper and horizontal supporting construction over a total depth of 400 mm (Not required to coat the firebatt nor use coated firebatt).
- If distance from damper tunnel to horizontal supporting construction ≥ 25 and $< 50 \text{ mm}$: apply stone wool (density min. 40 kg/m^3) compressed by 40% between fire damper and horizontal supporting construction over a total depth of 400 mm (Not required to coat the firebatt nor use coated firebatt).



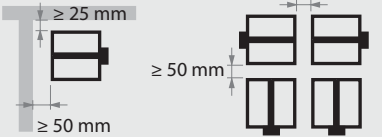
Dimension suspension system acc. to weight and required fire resistance.

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Damper can be installed with blade in vertical or horizontal position when using gypsum based plaster.
If mortar : installation with blade in horizontal position.



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU-LT Technical Datasheet. When using mortar as sealant, install with damper blade in horizontal position.



- To be read in conjunction with the CU-LT Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Installation lugs as shown in the drawings are available upon request.
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc.).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper. Rf-T can provide an inspection opening on the damper body upon request (option UL).
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU-LT fire damper in flexible supporting construction
Installation detail with gypsum based plaster or mortar

CLASSIFICATION

EI 60/90 (ve i↔o)S



REV

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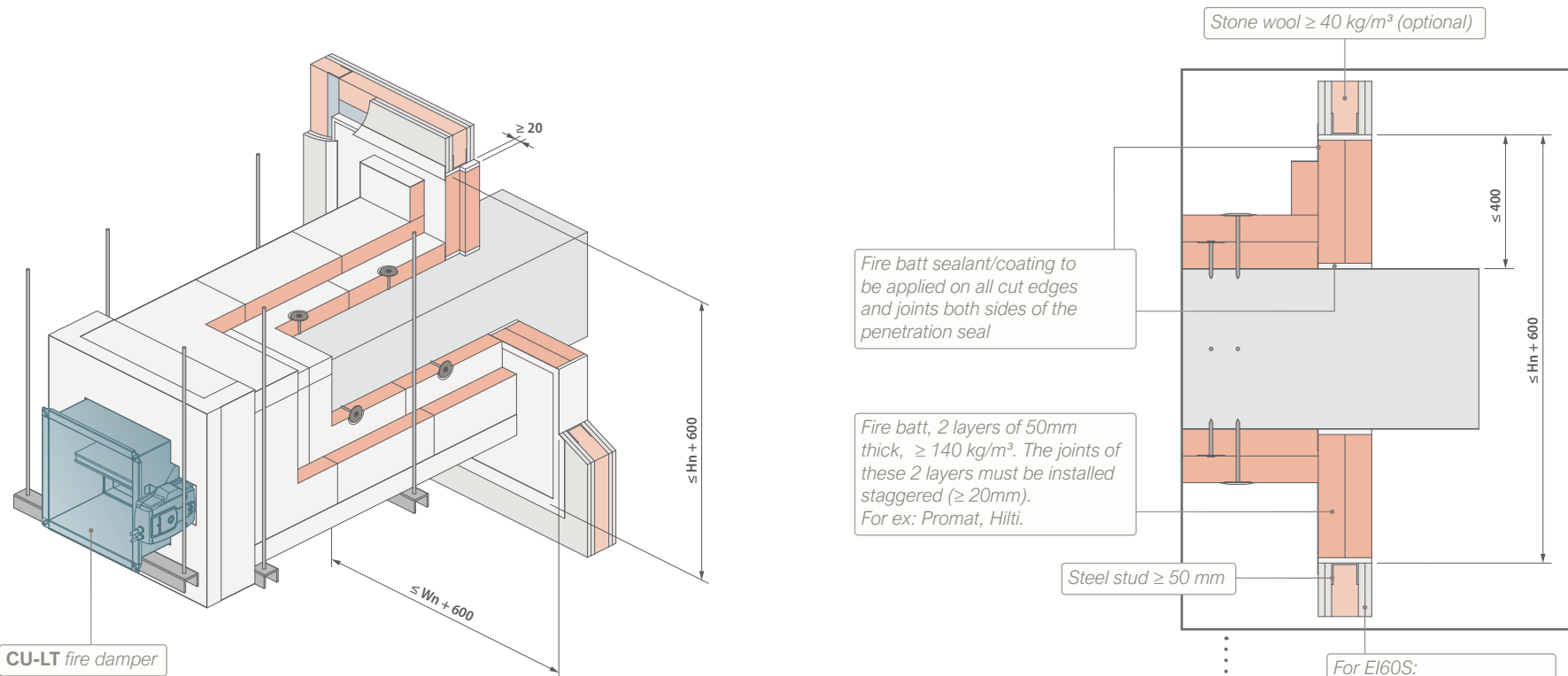
DATE

27/09/2023



Rf-Technologies

CU-LT FIRE DAMPER



CU-LT fire damper

Fire batt, 2 layers of 50 mm thick, $\geq 140 \text{ kg/m}^3$ to be applied on top of the IFW installation kit. Make sure to provide free space so the mechanism is freely accessible.

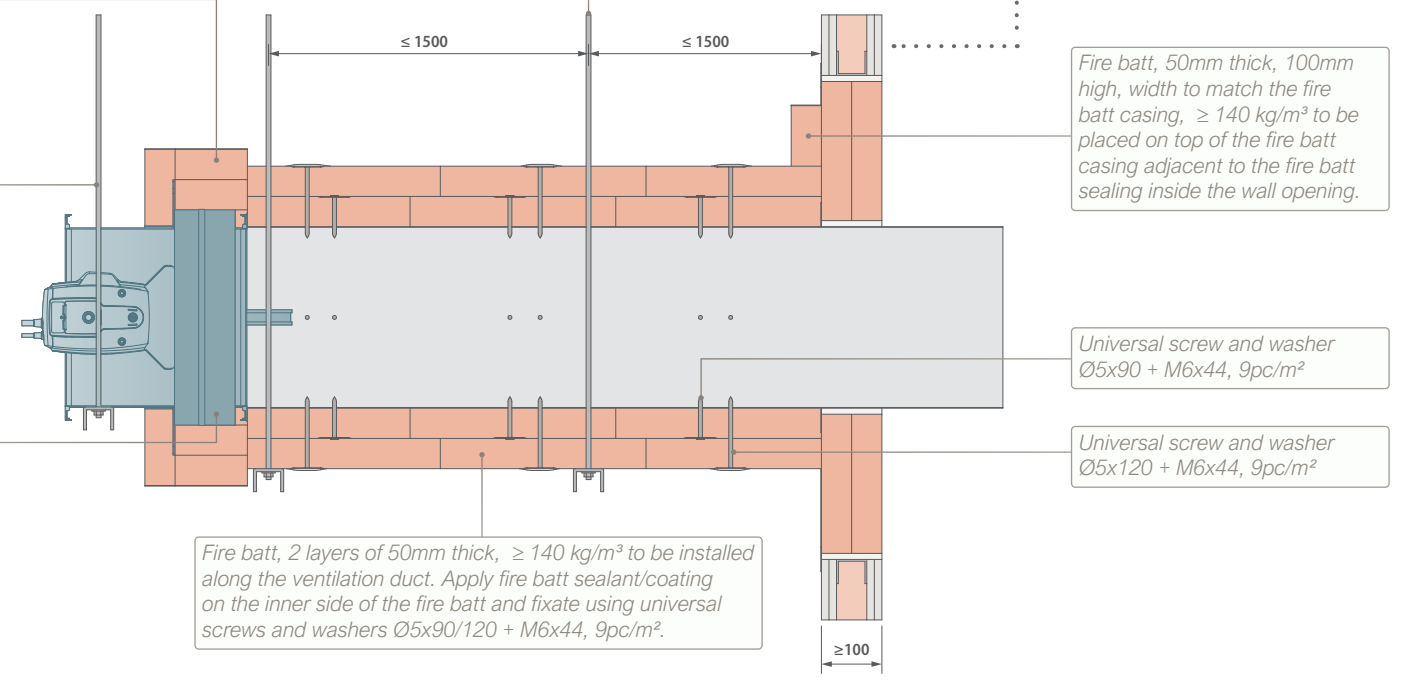
Damper to be supported by unistrut from min. M8 drop rods, washers and nuts from horizontal supporting construction above. Let the fire damper rest upon the unistrut, do not fixate.

IFW installation kit

Fire batt sealant/coating to be applied on all cut edges, joints, screws and washers.

Dimension suspension system acc. to weight and required fire resistance.

Ventilation duct and fire batt insulation to be supported by unistrut from min. M8 drop rods, washers and nuts from horizontal supporting construction above.



Fire batt, 2 layers of 50mm thick, $\geq 140 \text{ kg/m}^3$ to be installed along the ventilation duct. Apply fire batt sealant/coating on the inner side of the fire batt and fixate using universal screws and washers $\text{Ø}5\text{x}90/120 + \text{M}6\text{x}44, 9\text{pc/m}^2$.

Fire batt, 50mm thick, 100mm high, width to match the fire batt casing, $\geq 140 \text{ kg/m}^3$ to be placed on top of the fire batt casing adjacent to the fire batt sealing inside the wall opening.

Universal screw and washer $\text{Ø}5\text{x}90 + \text{M}6\text{x}44, 9\text{pc/m}^2$

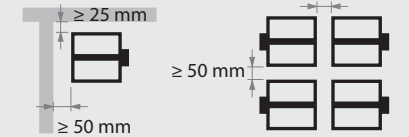
Universal screw and washer $\text{Ø}5\text{x}120 + \text{M}6\text{x}44, 9\text{pc/m}^2$

TECHNICAL FEATURES

- Damper range (WxH): 200x100 till 800x600.
- Install the damper with the blade in horizontal position.



- Damper can be installed with mechanism on either side of the wall (independent of fire side).
- Please consult with the fire batt manufacturer for appropriate sealant/coating.
- A max. of 2x2 fire dampers can be installed at tested minimal distances from an adjacent horizontal or vertical (supporting) construction or another fire damper. See detailed guidelines in the CU-LT Technical Datasheet.



- To be read in conjunction with the CU-LT Fire Damper Technical Datasheet.
- Guidelines acc. to DW144/145 (not required for CE):
 - Provide appropriate break-away / flexible joint between fire damper and connecting ductwork on both sides of the assembly (DW145: eg socket & spigot or flanged with appropriate fixings eg plastic cleats, clips, clamps, bolts, aluminium alloy rivets etc).
 - Provide a panel in the adjacent ductwork to allow access to the internal components of the fire damper. Rf-t can provide an inspection opening on the damper body upon request (option UL).
 - Ductwork must be independently supported and installed (DW144).
- Dimensions in mm unless otherwise stated.

TECHNICAL DATASHEET



INSPECTION AND HANDOVER CHECK LIST



PLAN TITLE

CU-LT fire damper remote from a flexible supporting construction. Installation detail with IFW installation kit and fire batt

CLASSIFICATION

EI 60/90 (ve i-→o)S



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27/09/2023

