

# Installation Instructions and Declaration of Performance

## INLAP & INLAP-ST fire dampers

according to the Certificate of  
Constasy of Performance 1139-CPR-1046/12

### INLAP

EI120(h<sub>o</sub>,V<sub>e</sub>,i↔O)S

EI90(h<sub>o</sub>,V<sub>e</sub>,i↔O)S



### INLAP-ST

EI120(h<sub>o</sub>,V<sub>e</sub>,i↔O)S

EI90(h<sub>o</sub>,V<sub>e</sub>,i↔O)S



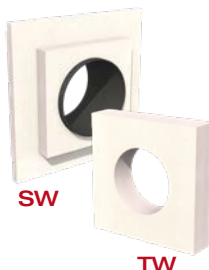
### TIROTECH®



### BFM/K310



### PREMO BML



### BFBL



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according to EN 15882-5

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### Important:

Please read these Installation Instructions and Declaration of Performance carefully and keep them for future reference.

The installation must be carried out exclusively according to with these Installation Instructions and Declaration of Performance. Deviations during installation may result in a considerable reduction in the fire resistance time.

Typographical and printing errors as well as technical changes cannot be ruled out.

For penetration elements and classifications not mentioned in these installation instructions, please contact AIR FIRE TECH Brandschutzsysteme.

Please note the currently valid General Terms and Conditions at [www.airfiretech.at](http://www.airfiretech.at).

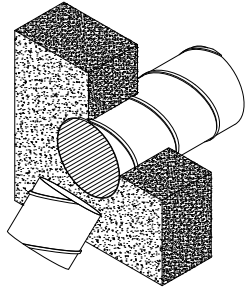
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Violations may result in criminal prosecution.

## Installation steps – wall

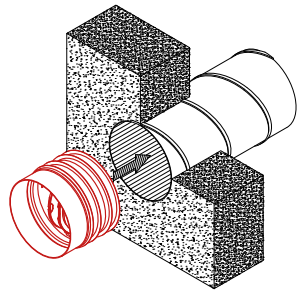
INLAP-ST in horizontal air ducts (spiral ducts)

INLAP-ST



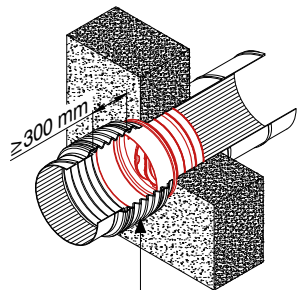
1

Cut the air duct to length flush with the wall.



2

Push the **INLAP-ST** into the duct up to the bead.  
(see installation details on page 29-38)



e.g. aluminium flexible duct

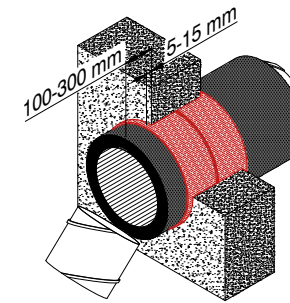
3

Connect the **INLAP-ST** to the air duct as required.  
(see page 10)

## Installation steps – wall

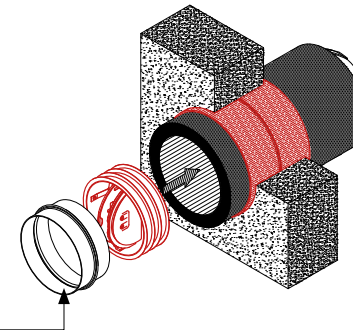
INLAP in horizontal insulated air ducts (spiral ducts)

INLAP



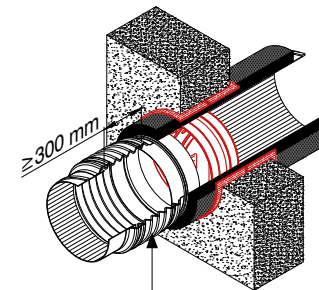
1

With 5-15 mm overhang on both sides of the wall, apply 1 layer of **BFBL fire protection sealing tape** to the insulation using the self-adhesive side.  
Cut the air duct and insulation to length as shown.  
(min. 100 mm - max. 300 mm)



2

Push the **INLAP** into the air duct.  
Attach the nipple to the air duct.  
(see installation details on page 29-38)



e.g. aluminium flexible duct

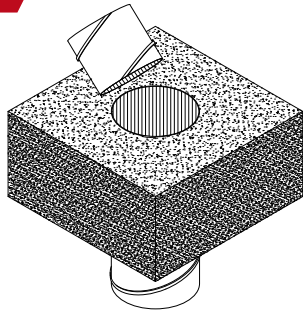
3

Connect the nipple to the air duct as required.  
(see page 10)

## Installation steps – floor

INLAP-ST in vertical air ducts (spiral ducts)

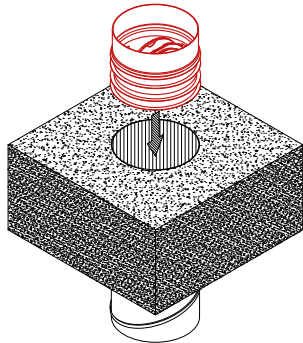
INLAP-ST



1

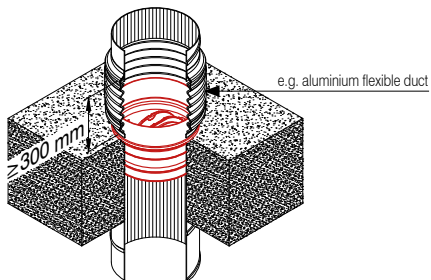
Cut the air duct to length flush with the floor.

2



Push the **INLAP-ST** into the duct up to the bead.  
(see installation details on page 39-45)

3

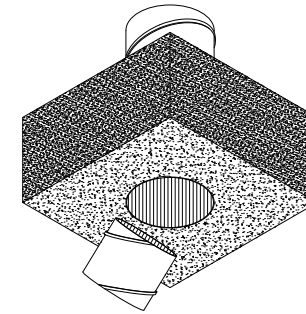


Connect the **INLAP-ST** to the air duct as required.  
(see page 11)

## Installation steps – floor

INLAP in vertical air ducts (spiral ducts) with change of direction

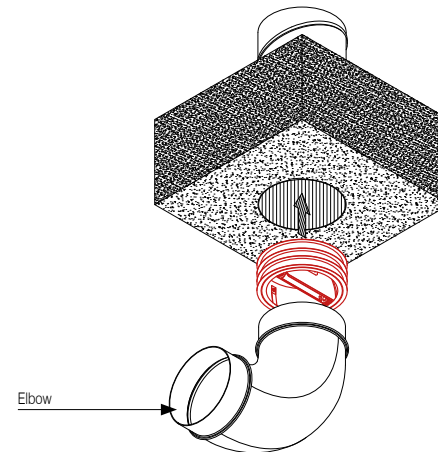
INLAP



1

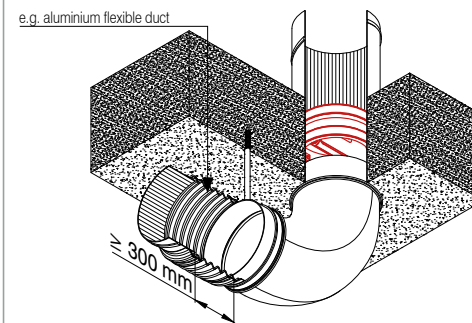
Cut the air duct to length flush with the floor.

2



Push the **INLAP** into the air duct. Attach the elbow to the air duct.  
(see installation details on page 39-45)

3



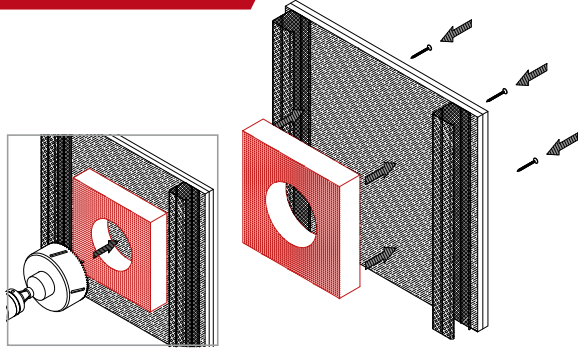
Connect the elbow to the air duct as required.  
(see page 11)



## Installation steps – PREMO BML TW

Wall duct PREMO BML TW in stud partition walls with INLAP-ST

### PREMO BML TW

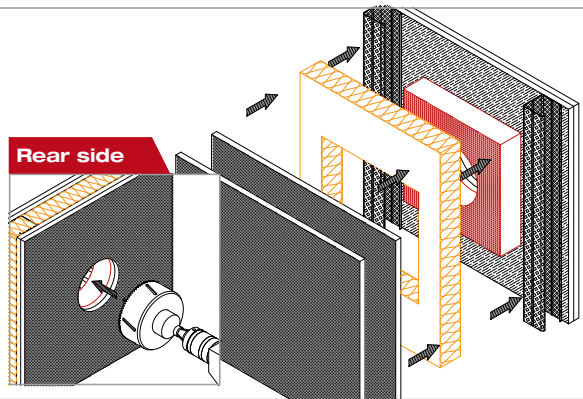


1

Cover one side of the profiles as per the respective manufacturer's processing guidelines.

Fasten the **PREMO BML TW** to the inside of the lightweight partition wall using drywall screws  $\geq 3.5 \times 55$  mm.

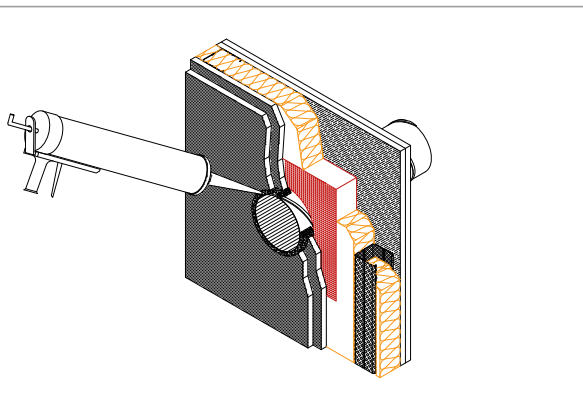
Drill through the cladding with a hole saw, for example.



2

Cover the second side of the profiles as per ÖNORM B3415 and the respective manufacturer's processing guidelines.

Drill through the cladding with a hole saw, for example.



3

Seal the annular gap between the pipe and the cladding  $\leq 5$  mm with BFM/K310 fire protection sealant.

Push the **INLAP-ST** into the duct up to the bead.

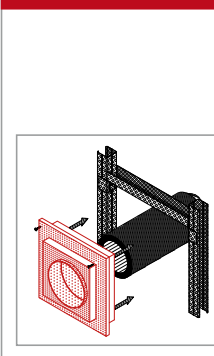
Connect the **INLAP-ST** to the air duct as required.

(see page 4)

## Installation steps – PREMO BML SW

Wall duct PREMO BML SW in shaft walls with INLAP

### PREMO BML SW

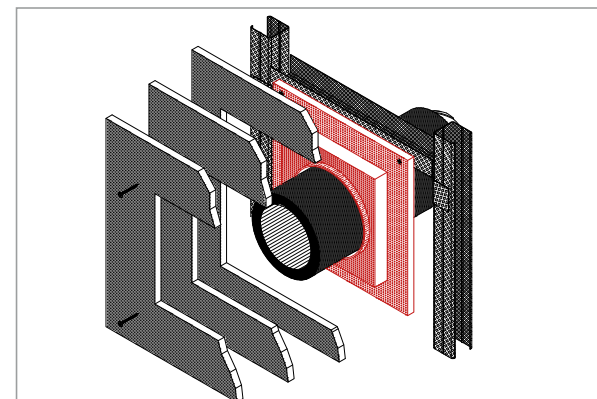


1

If necessary, attach the mounting aid (UW profile) to the CW profiles.

Fasten the **PREMO BML SW** to the profiles using dry wall screws  $\geq 3.5 \times 45$  mm.

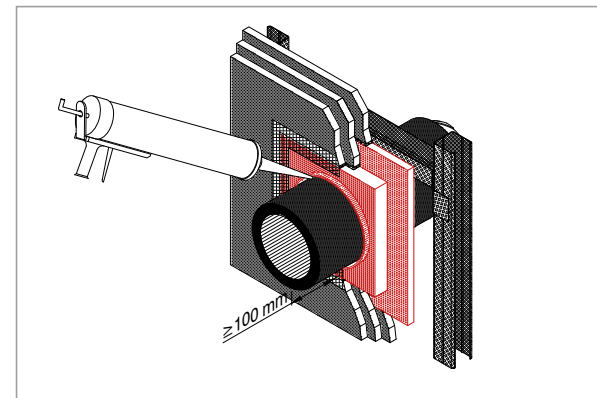
**Take note of the installation direction!**



2

Cover and fill as per ÖNORM B3415 and the respective manufacturer's processing guidelines.

Fasten plasterboards to the **PREMO BML SW** using drywall screws (min. 4 per layer).



3

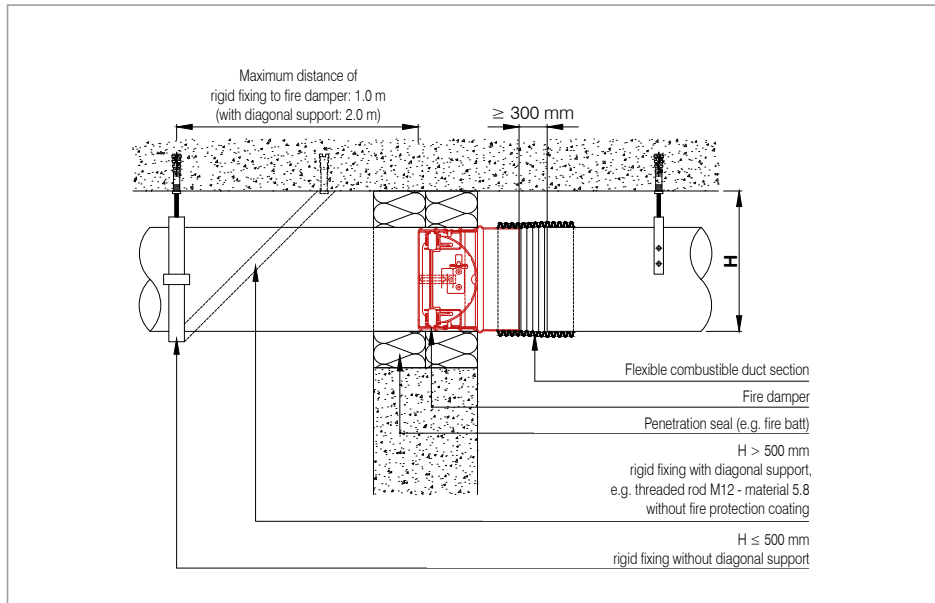
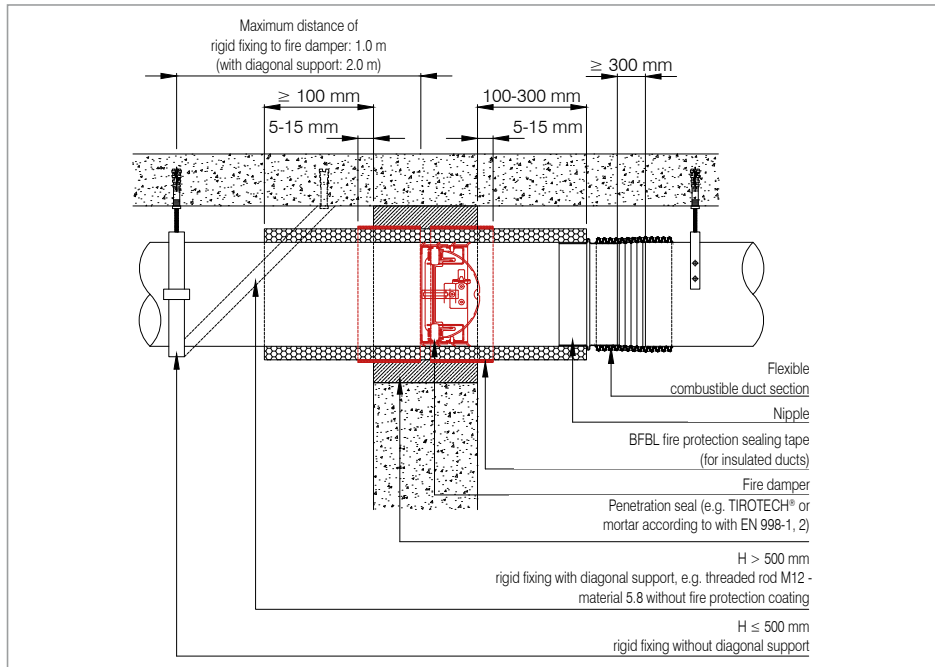
Seal the annular gap between the insulated air duct and **PREMO BML SW** with commercially available silicone to make it smoke-tight.

Push the **INLAP** into the air duct and attach the nipple to the air duct.

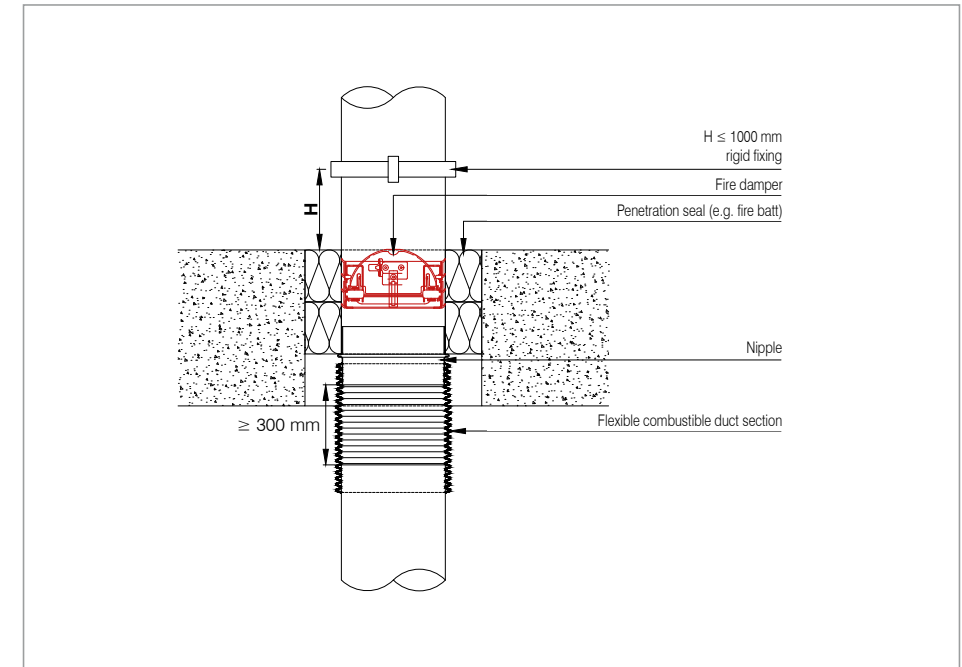
Connect the nipple to the air duct as required.

(see page 5)

## Fixing the air duct in place – wall



## Fixing the air duct in place – floor



### Note

Observe the national building regulations during use and during installation. The product from the manufacturer must not be altered and must not be exposed to any mechanical loads. The fire damper must be protected from frost, moisture, humidity and condensation. Any partitioning variants not shown in the installation instructions must be queried with the manufacturer. The suitability of the products for the specific requirements at hand must be verified by the user.

Fire dampers or ducts into which the dampers are inserted must be installed in such a way that their position in relation to the separating element remains unchanged during the fire resistance period. They must be installed in compliance with approvals using AIR FIRE TECH components (joint sealant, BFBL, etc.). Release mechanisms must be accessible for maintenance and regular inspection. Depending on the installation situation at hand and the damper version, inspection openings must be provided in the connected ventilation ducts.

The fire dampers are tested in different wall and floor/ceiling structures as per EN 1366-2, EN 15882-5 and ÖNORM H 6025. A test result for a fire damper which was mounted in or on a standard support structure can be transferred to a support structure with the same or higher fire resistance time than the standard support structure used in the test (greater thickness, higher density, more layers).

Installation and fixing of the fire damper or ventilation duct must be carried out according to the applicable guidelines, regulations and standards. In particular, attention must be paid during fixing to tensile forces on the ventilation ducts during general operation and in case of fire. The local national regulations such as ÖNORM H 6031 must be consulted.

As per ÖNORM H 6024, AIR FIRE TECH fire dampers must be installed in combination with LRK/MH cold smoke barriers to prevent the transfer of cold smoke in the system. To identify the installed fire damper, the label included in the scope of delivery (see illustration on page 13 "Label for identifying the installation location") must be attached to the ventilation duct so that it is clearly visible.

To seal off insulated ventilation ducts, the BFBL fire protection sealing tape for ventilation ducts, the PREMO BML fire protection module for ventilation ducts or 2x 13 mm Armaflex Protect insulation (see installation details) must be installed in addition to the INLAP fire damper. Installation must be carried out according to with the relevant installation instructions.

### It must be ensured that

- Any damage to the penetration seal is repaired immediately.
- Installation of the fire damper does not affect the structural integrity of the neighbouring structural part, even in the event of fire.
- The thermal length change in the pipeline is absorbed in such a way that it does not cause any load on the penetration seal.
- The ducts are fixed to the neighbouring element (not to the penetration seal) according to with the applicable regulations, so that in the event of fire no additional mechanical load can be exerted on the penetration seal.
- The fixing of the ducts is preserved during the classification period.

### Fire damper with thermal release device (fusible link)

for installation in fire compartment-forming partition components as well as partition walls and separating floors/ceilings of ventilation and air conditioning systems to prevent the spread of fire. The fire damper is inserted into the ventilation duct and must be positioned according to the following installation details.

### Function

When the fusible link is triggered, the mechanical fire damper is moved from the "Open" position to the "Closed" safety position by spring force. The fire damper can also be fitted with an optional limit switch. Limit switches are generally not relevant for the function of the fire damper.

### Utilization category

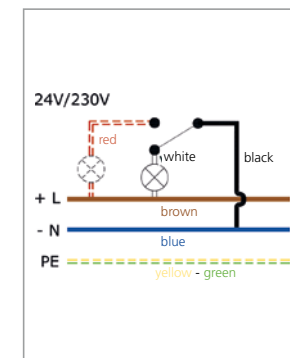
The INLAP fire damper is intended for use at temperatures between -20 °C and 50 °C with UV exposure, but without exposure to rain.

### Safety, storage and transportation

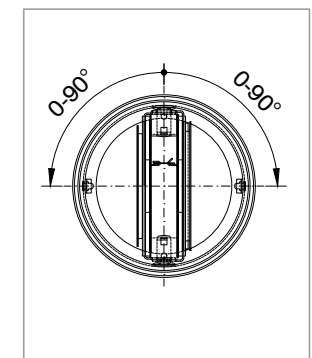
Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. Protect from temperatures above 50 °C. Protect from shocks, frost, moisture and humidity.



Label for identifying the installation location



Circuit diagram for limit switch



Installation position of damper blade

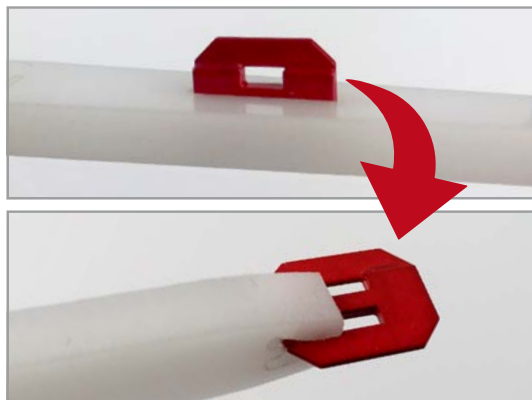
## Commissioning

On delivery, the fire damper is in the "Closed" safety position. To commission the fire damper, remove the installation tool supplied with the factory-fitted fusible link and move the two damper blades to the "Open" position. This is done by pressing the damper blades in the opening direction. Then attach/hang the fusible link to both damper blades. The installation tool must be kept and used for the periodic inspection in accordance with ÖNORM H 6031 and §13 AstV.

**The fuse link must not be installed or removed using pliers or similar tools. The assembly tool provided for this purpose must be used.**

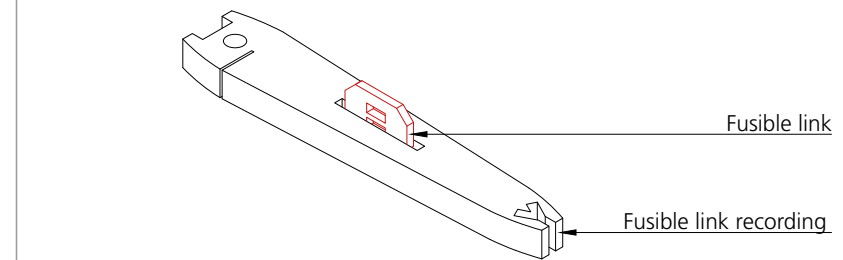


Remove the assembly tool with integrated fuse link.



Remove the fuse link and position it in the holder of the assembly tool.

## Assembly tool with fusible link



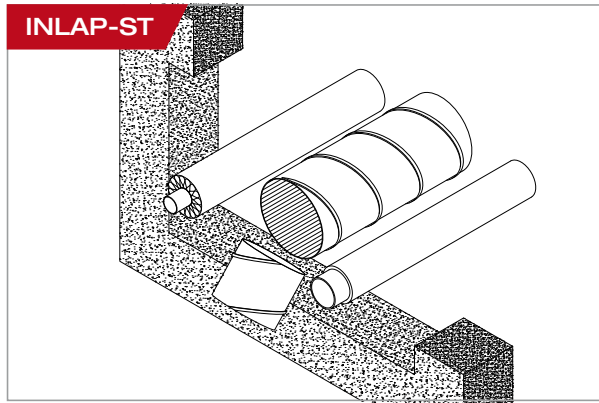
Move the damper blades from the "Closed" safety position to the "Open" position.



Attach/hang the fuse link to the fuse link holders of the two damper blades using the assembly tool.

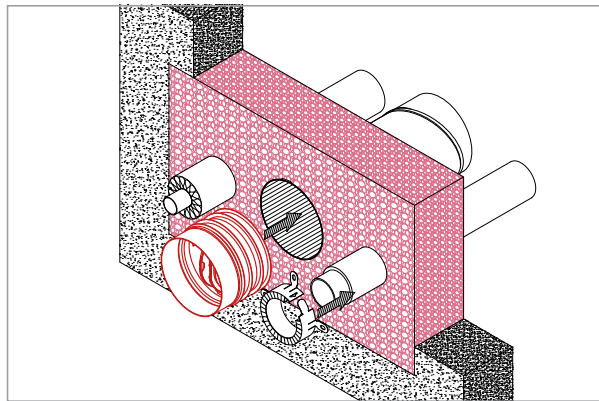


Installation steps – wall



1

Cut the air duct to length flush with the wall.

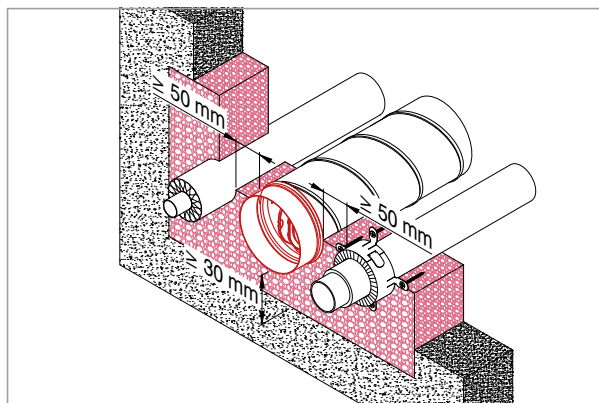


2

Seal the wall opening with TIROTECH® fire protective mortar as per the TIROTECH® installation instructions.

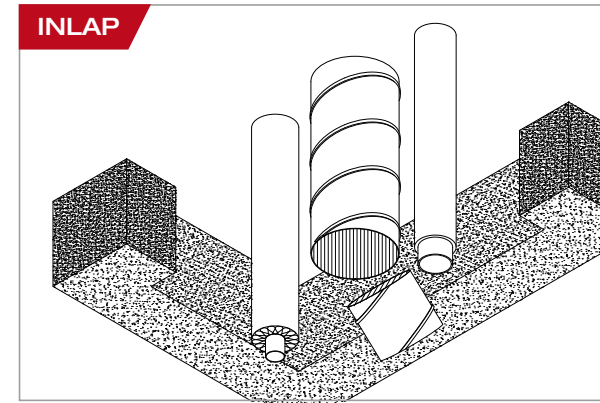
Push the **INLAP-ST** into the duct up to the bead.

(see installation details on page 35-37)



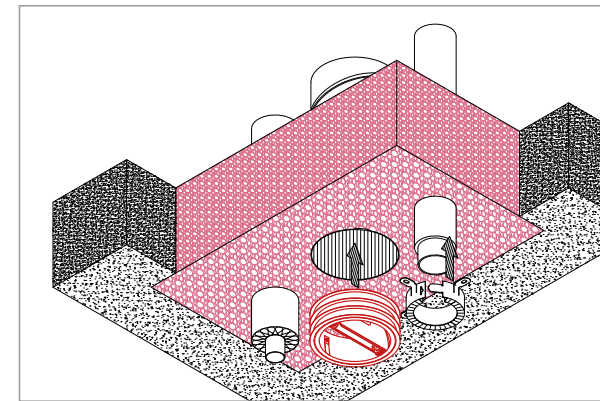
3

Installation steps – floor



1

Cut the air duct to length flush with the floor.

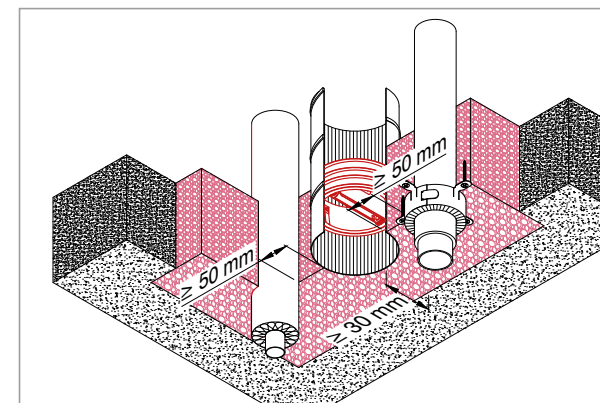


2

Seal the floor opening with TIROTECH® fire protective mortar as per the TIROTECH® installation instructions.

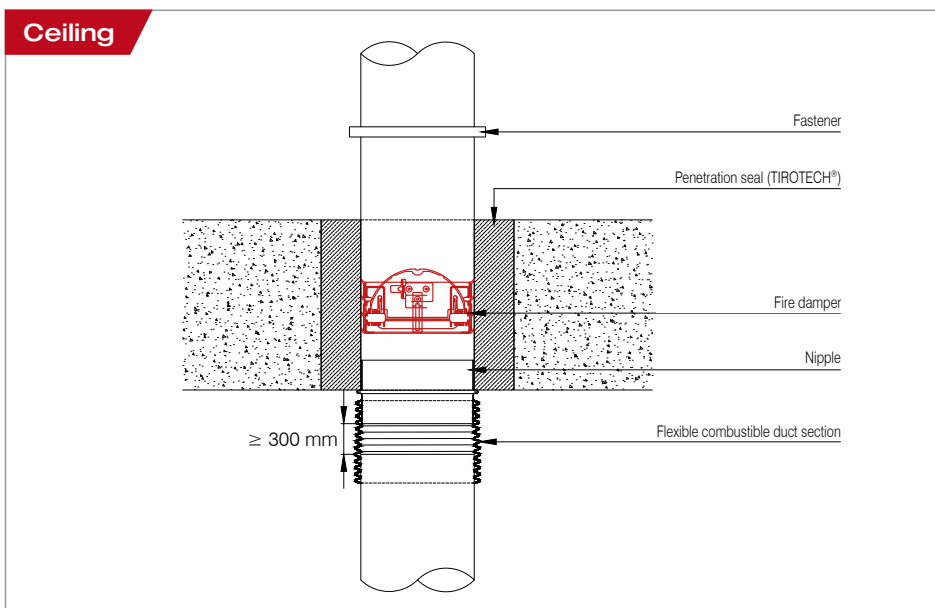
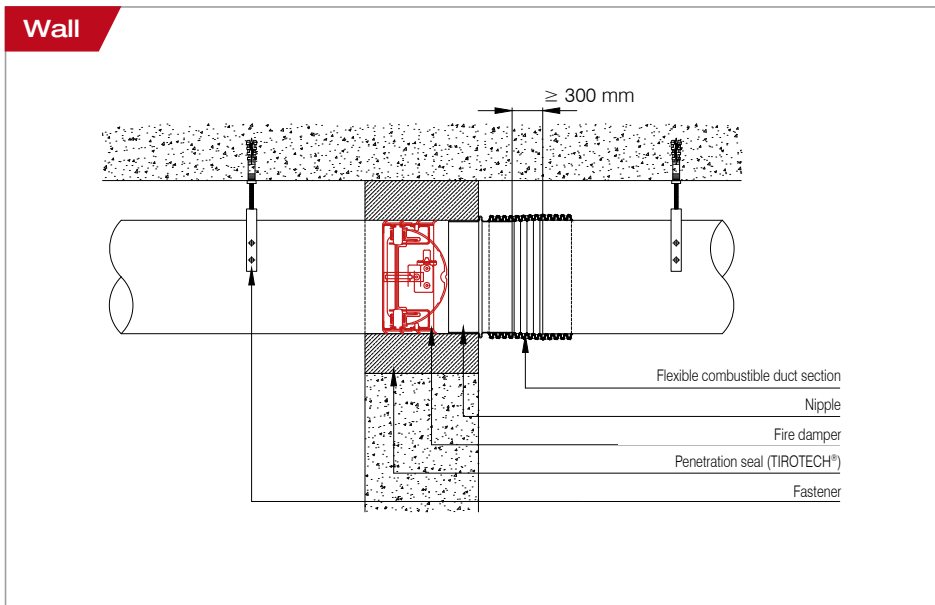
Push the **INLAP** into the air duct.

(see installation details on page 41-43)



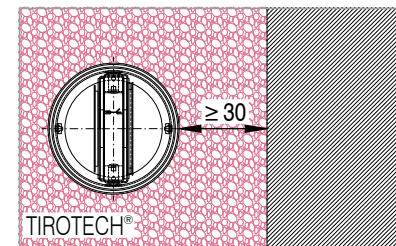
3

Fixing the air duct in place



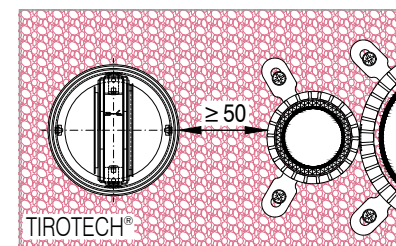
Working clearance

Surrounding structures



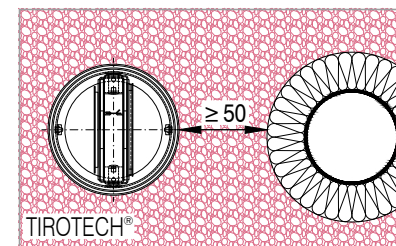
Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and the surrounding structure  $\geq 30 \text{ mm}$ .

RORCOL pipe collars



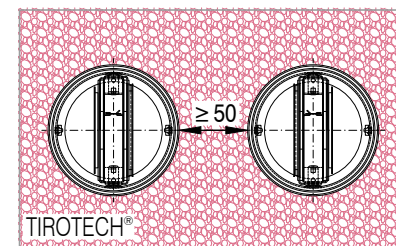
Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and neighbouring AIR FIRE TECH pipe collars (ETA-13/0758 and ETA-17/0586)  $\geq 50 \text{ mm}$ .

FIRE PROOF pipe section



Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and FIRE PROOF pipe section (ETA-17/0734)  $\geq 50 \text{ mm}$ .

Fire damper air vents and fire dampers



Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and AIR FIRE TECH fire damper air vents (R-14.3.2-18-7924/7925)  $\geq 50 \text{ mm}$ .

Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12)  $\geq 50 \text{ mm}$ .





Prüf-, Inspektions- und  
Zertifizierungsstelle



## Zertifikat der Leistungsbeständigkeit

1139-CPR-1046/12 (3. Neufassung)

Gemäß der Verordnung (EU) Nr. 305/2011 des Europäischen Parlaments und des Rates vom 9. März 2011 (Bauprodukteverordnung - CPR), gilt dieses Zertifikat für die Bauprodukte

### Brandschutzklappen mit den Handelsbezeichnungen „INLAP“ und „INLAP-ST“

(gemäß Angaben im Anhang zu diesem Zertifikat)

in Verkehr gebracht unter dem Namen oder der Handelsmarke von

**Air Fire Tech Brandschutzsysteme GmbH**  
A-2540 Bad Vöslau, Hanuschgasse 1/Top 4A

und hergestellt im Herstellungsbetrieb

**Air Fire Tech Brandschutzsysteme GmbH, Werk Bad Vöslau**  
A-2540 Bad Vöslau, Hanuschgasse 1

Dieses Zertifikat bescheinigt, dass alle Vorschriften über die Bewertung und Überprüfung der Leistungsbeständigkeit beschrieben im Anhang ZA der Norm

**EN 15650:2010**

entsprechend System 1 für die in diesem Zertifikat ausgewiesene Leistung angewendet werden und dass die vom Hersteller durchgeführte werkseigene Produktionskontrolle bewertet wurde zur Sicherstellung der

### Leistungsbeständigkeit des Bauprodukts.

Dieses Zertifikat wurde erstmals am 10. April 2014 ausgestellt. Die vorliegende 3. Neufassung des Zertifikates 1139-CPR-1046/12 ersetzt die 2. Neufassung des Zertifikates vom 27. August 2020 und bleibt gültig, solange weder die harmonisierte(n) Norm(en), das Bauprodukt, das AVCP-Verfahren noch die Herstellbedingungen im Werk wesentlich geändert werden und sofern es nicht von der notifizierten Produktzertifizierungsstelle ausgesetzt oder zurückgezogen wird. Das Zertifikat umfasst inklusive Anhang 2 Seiten.

*Fehring*

Leiter der Zertifizierungsstelle  
Dipl.-Ing. Martin Fehring  
Oberstadtbaurat



*Pommer*

Leiter der Prüf-, Inspektions- und Zertifizierungsstelle  
Dipl.-Ing. Georg Pommer  
Senatsrat

Wien, 9. September 2022

MA 39 – CE 22-07942 – Rinnböckstraße 15/2, 1110 Wien, post@ma39.wien.gv.at



Seite 2 / 2



## ANHANG ZUM Zertifikat der Leistungsbeständigkeit

1139-CPR-1046/12  
(3. Neufassung)

Dieses Zertifikat umfasst folgende Produkte des Herstellers  
Air Fire Tech Brandschutzsysteme GmbH, A-2540 Bad Vöslau, Hanuschgasse 1/Top 4A  
Herstellungsbetrieb: Air Fire Tech Brandschutzsysteme GmbH, Werk Bad Vöslau  
A-2540 Bad Vöslau, Hanuschgasse 1

**Brandschutzklappen gemäß EN 15650:2010**  
vorgesehen für Verwendungen im Brandschutz

Brandschutzklappen	Feuerwiderstandsverhalten Klassifizierung gemäß EN 13501-3:2005+A1:2009	zulässige Größen [mm]
INLAP	EI 120 (v, h, i → s)	Durchmesser DN80 bis DN250
INLAP-ST		

Die Brandschutzklappen werden mechanisch mittels Schmelzlot ausgelöst oder sind mit einem Endschalter ausgestattet.

Die Einsatzbedingungen für das Produkt sowie die Tragkonstruktion sind der Einbauanweisung (Einbauanweisung Air Fire Tech Brandschutzklappe INLAP u. INLAP-ST) zu entnehmen.

MA 39 – CE 22-07942

## Periodic checks

Remove the flexible combustible duct section from the connecting piece of the INLAP-ST. Carefully pull the fire damper out of the air duct for a functional check.

To check the function of the fire damper, reduce the distance between the two damper blades by pressing them together. The fuse link can then be removed. *Caution:* after releasing the damper blades, they will jump back into the "closed" safety position due to the spring action. *To open the fire damper again, proceed as described in the section Start of operation.*

Fire dampers must be inspected at regular intervals according to national regulations (e.g. ÖNORM H 6031), but at least once a year.

The result of the inspection must be recorded in a written report, signed by the person carrying out the inspection, handed over to the operating company and stored by the operating company. Any deficiencies identified during the inspection must be rectified. Any safety-relevant defects must be rectified without delay. Rectification of the defects must be documented.

Only spare parts from AIR FIRE TECH Brandschutzsysteme GmbH may be used.

### Scope of the check for fire dampers

#### Visual check

- 1 Conformity with the last valid "as built" plans
  - Identify any relevant structural changes or system changes
- 2 Compliance with standards and manufacturer's specifications
  - Fire damper version as per Declaration of performance
  - Installation according to local national building regulations and manufacturer's specifications
  - Seal between fire damper/air duct and building structure
- 3 Labelling
  - Check the label on the air duct; classification; CE marking
  - Damper identification within the system
- 4 Corrosion and/or contamination
- 5 Damper blades and seals
  - Condition of the damper blades
  - Condition of the seals

#### Function check

- 1 Opening and closing of the damper
  - Close the damper at least three times via manual triggering on site (see the section *Start of operation*)
  - Visually assess correct/smooth opening and closing of the closure element
- 2 Check the holding function in the safety position, fixing of the locking device after reaching the safety position
- 3 Check the visual/electric indicator "closed" and "open". Check the signal from the limit switches and all indicators, if fitted.

## DECLARATION OF PERFORMANCE

No. 01/2023/INLAP according to Annex III of Regulation (EU) No. 305/2011  
(Construction Products Regulation)

### 1. Unique identifier code of the product type:

Fire damper INLAP  
Fire damper with duct connector INLAP-ST  
Fire damper with electric limit switch INLAP-E  
Fire damper with duct connector and electric limit switch INLAP-STE  
BFBL fire protection sealing tape  
PREMO BML fire protection module  
BFM/K310 fire protection sealant

**2. Application:** Fire-resistant fire dampers

**3. Manufacturer:** AIR FIRE TECH Brandschutzsysteme GmbH  
Hanuschgasse 1/Top 4A, 2540 Bad Vöslau  
AUSTRIA

**4. System(s) for assessment and verification of constancy of performance:** System 1

**5. Harmonised standard:** EN 15650:2010



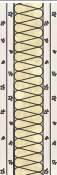
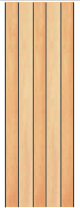
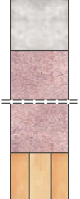
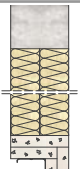
**6. Notified body:** NB 1139 - Municipal Department 39 -  
Testing, inspection and certification body of the City of Vienna

### 7. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Nominal conditions of activation/sensitivity <ul style="list-style-type: none"><li>■ Load rating of measuring probe</li><li>■ Response temperature of measuring probe</li></ul>	Passed	ISO 10294-4
Closing time	Passed	EN 1366-2
Opening and closing test	Passed	EN 1366-2
Permanence of trigger delay <ul style="list-style-type: none"><li>■ Response of the measuring probe to temperature and load rating</li></ul>	Passed	ISO 10294-4
Cyclic testing <ul style="list-style-type: none"><li>■ 50 cycles</li></ul>	Passed	EN 15650
Leak test at ambient temperature	Passed	EN 1366-2
Hazardous substances	None	Council Directive 67/ 548 / EEC and Regulation (EC) no 1272 / 2008

# DECLARATION OF PERFORMANCE

## Permissible separating elements – walls

Separating element	Size	Duct insulation	Annular gap	Additive	Classification
 <p><b>Shaft walls</b> Cladding on one side with 2x20, 3x15 or 2x25 mm gypsum plasterboards DF or DFR as per EN 520 or GM-FH2 as per EN 15283-1</p>	≤ DN250	9–19 mm Synthetic rubber <sup>1</sup>	≤ 5 mm silicone (between insulation and PREMO BML)	PREMO BML SW	EI90(v <sub>er</sub> , i↔o)S
	≤ DN160	2x3 mm Synthetic rubber <sup>1</sup> 2x13 mm Armaflex Protect <sup>1,2</sup>	≤ 5 mm BFM/K310 fire protection sealant ≤ 10 mm with joint filler		
 <p><b>Rigid walls</b> Thickness ≥ 100 mm, density ≥ 500 kg/m<sup>3</sup></p> <p><b>Rigid walls</b> Thickness ≥ 150 mm, density ≥ 500 kg/m<sup>3</sup></p>	≤ DN250	– 9–19 mm Synthetic rubber <sup>1</sup>	≤ 5 mm BFM/K310 fire protection sealant or Mortar as per EN 998-1, 2	– 1 layer BFBL (on both sides of the wall)	EI120(v <sub>er</sub> , i↔o)S EI90(v <sub>er</sub> , i↔o)S
	≤ DN160	2x3 mm Synthetic rubber <sup>1</sup> –		≤ 30 mm insulating wool (A1, density ≥ 40 kg/m <sup>3</sup> ) and BFM/K310 fire protection sealant ≥ 10 mm thick	–
 <p><b>Flexible walls</b> Thickness ≥ 100 mm Steel posts (CW profiles), cladding on both sides with min. 2x 12.5 mm gypsum plasterboards DF or DFR as per EN 520, GM-FH2 as per EN 15283-1 or boards with ETA</p>	≤ DN250	– 2x3 mm Synthetic rubber <sup>1</sup>	≤ 5 mm BFM/K310 fire protection sealant	PREMO BML TW	EI120(v <sub>er</sub> , i↔o)S
	≤ DN160	9–19 mm Synthetic rubber <sup>1</sup>		PREMO BML TW and 1 layer BFBL (on both sides of the wall)	EI90(v <sub>er</sub> , i↔o)S
 <p><b>Cross-laminated timber walls</b> according to ETA-06/0138 (KLH Massivholz GmbH), ETA-09/0036 (Mayr-Melnhof Holz Holding AG) or ETA-14/0349 (Stora Enso Wood Products GmbH) Thickness ≥ 100 mm, with local cladding and with or without wall cladding according to with EN 520</p> <p><b>Cross-laminated timber walls</b> according to ETA-06/0009 (Binderholz GmbH) Thickness ≥ 150 mm, with or without wall cladding according to with EN 520</p>	≤ DN160	–	≤ 30 mm insulating wool (A1, density ≥ 40 kg/m <sup>3</sup> )	–	EI90(v <sub>er</sub> , i↔o)S
	–	–	≤ 30 mm insulating wool (A1, density ≥ 40 kg/m <sup>3</sup> ) and BFM/K310 fire protection sealant ≥ 10 mm thick	–	EI120(v <sub>er</sub> , i↔o)S
 <p><b>TIROTECH® fire protective mortar</b> according to ETA-17/0586 Sealing thickness ≥ 100 mm, installation in rigid walls ≥ 100 mm</p> <p><b>TIROTECH® fire protective mortar</b> according to ETA-17/0586 Sealing thickness ≥ 100 mm, installation in cross-laminated timber walls according to ETA-14/0349 (Stora Enso Wood Products GmbH) ≥ 100 mm, with or without wall cladding according to with EN 520</p>	≤ DN250	–	–	–	EI120(v <sub>er</sub> , i↔o)S
	≤ DN250	9–19 mm Synthetic rubber <sup>1</sup>	–	1 layer BFBL (on both sides of the wall)	EI120(v <sub>er</sub> , i↔o)S
 <p><b>Fire batt system</b> PROMASTOP®-1 according to ETA-14/0446 or HENSOMASTIK® according to ETA-20/1309 Thickness ≥ 2x50 mm, density ≥ 150 kg/m<sup>3</sup> Installation in rigid walls ≥ 200 mm or shaft walls ≥ 2x20 mm</p>	≤ DN250	–	–	– Coating on duct	EI90(v <sub>er</sub> , i↔o)S
	–	19 mm Synthetic rubber <sup>1</sup>	–	1 layer BFBL (on both sides of the wall)	EI120(v <sub>er</sub> , i↔o)S



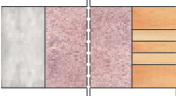



<sup>1</sup> Length of duct insulation: continuous through the separating element and on both sides of the penetration seal ≥ 100 mm

<sup>2</sup> Installation only permitted in shaft walls, cladding on one side with 3x15 mm gypsum plasterboards DF as per EN 520.

# DECLARATION OF PERFORMANCE

# DECLARATION OF PERFORMANCE

## Permissible separating elements – floors

Separating element		Size	Duct insulation	Annular gap	Additive	Classification
 <p><b>Rigid floors/ceilings</b> Thickness <math>\geq 150</math> mm, density <math>\geq 500</math> kg/m<sup>3</sup></p>		$\leq$ DN250	–	$\leq 10$ mm BFM/K310 fire protection sealant or Mortar as per EN 998-1, 2	–	EI120(h <sub>o</sub> ,i $\leftrightarrow$ o)S
			9 mm Synthetic rubber <sup>1</sup>		1 layer BFBL (bottom side of floor)	
			30 mm aluminium-laminated glass wool <sup>1</sup>		2 layers BFBL (bottom side of floor)	
 <p><b>Cross-laminated timber floors</b> according to ETA-06/0138 (KLH Massivholz GmbH), ETA-09/0036 (Mayr-Melnhof Holz Holding AG) or ETA-14/0349 (Stora Enso Wood Products GmbH) Thickness <math>\geq 140</math> mm, with or without floor cladding according to with EN 520</p>		$\leq$ DN160	–	$\leq 30$ mm insulating wool (A1, density $\geq 40$ kg/m <sup>3</sup> ) and BFM/K310 fire protection sealant $\geq 10$ mm thick	–	EI120(h <sub>o</sub> ,i $\leftrightarrow$ o)S
		<p><b>Cross-laminated timber floors</b> according to ETA-06/0009 (Binderholz GmbH) Thickness <math>\geq 200</math> mm, with or without floor cladding according to with EN 520</p>	$\leq$ DN125		–	EI90(h <sub>o</sub> ,i $\leftrightarrow$ o)S
 <p><b>TIROTECH® fire protective mortar</b> according to ETA-17/0586 Sealing thickness <math>\geq 150</math> mm, installation in rigid floors/ceilings <math>\geq 150</math> mm</p>		$\leq$ DN250	–	–	–	EI120(h <sub>o</sub> ,i $\leftrightarrow$ o)S
			9-19 mm Synthetic rubber <sup>1</sup>		1 layer BFBL (bottom side of floor)	
 <p><b>TIROTECH® fire protective mortar</b> according to ETA-17/0586 Sealing thickness <math>\geq 140</math> mm, installation in cross-laminated timber floors according to ETA-06/0138 (KLH Massivholz GmbH), ETA-09/0036 (Mayr-Melnhof Holz Holding AG) or ETA-14/0349 (Stora Enso Wood Products GmbH) <math>\geq 140</math> mm, with or without floor cladding according to with EN 520</p>		$\leq$ DN250	–	–	–	EI90(h <sub>o</sub> ,i $\leftrightarrow$ o)S
			9-19 mm Synthetic rubber <sup>1</sup>		1 layer BFBL (bottom side of floor)	
 <p><b>Fire batt system</b> PROMASTOP®-I according to ETA-14/0446 or HENSOMASTIK® according to ETA-20/1309 Thickness <math>\geq 2 \times 50</math> mm, density <math>\geq 150</math> kg/m<sup>3</sup> Installation in rigid floors/ceilings <math>\geq 200</math> mm</p>		$\leq$ DN250	–	–	–	EI120(h <sub>o</sub> ,i $\leftrightarrow$ o)S
 <p><b>Prottelith installation block</b> Thickness <math>\geq 200</math> mm Installation in rigid floors/ceilings <math>\geq 200</math> mm</p>		$\leq$ DN250		$\leq 30$ mm insulating wool (A1, density $\geq 40$ kg/m <sup>3</sup> ) and BFM/K310 fire protection sealant $\geq 10$ mm thick	–	EI90(h <sub>o</sub> ,i $\leftrightarrow$ o)S
				30-50 mm with TIROTECH® fire protective mortar according to ETA-17/0586		

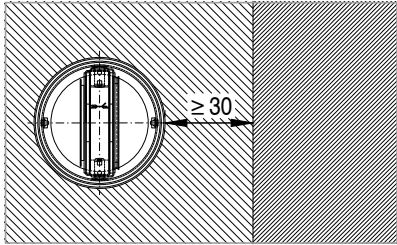
<sup>1</sup> Length of duct insulation: continuous through the separating element and on both sides of the penetration seal  $\geq 100$  mm

# DECLARATION OF PERFORMANCE

# DECLARATION OF PERFORMANCE

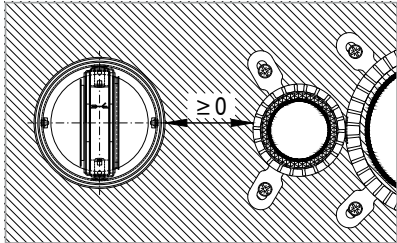
## Working clearance

### Surrounding structures



Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and the surrounding structure  $\geq 30$  mm.

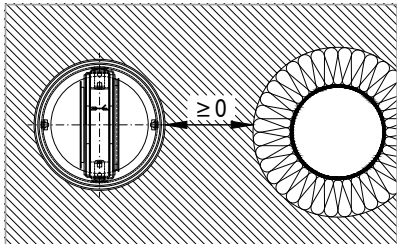
### Pipe collars



Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and neighbouring AIR FIRE TECH pipe collars (ETA-13/0758 and ETA-17/0586)  $\geq 0$  mm.

Working clearance for the combined penetration seal TIROTECH® see page 19.

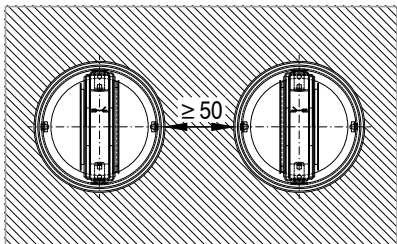
### Pipe section



Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and FIRE PROOF pipe section (ETA-17/0734)  $\geq 0$  mm.

Working clearance for the combined penetration seal TIROTECH® see page 19.

### Fire damper air vents and fire dampers



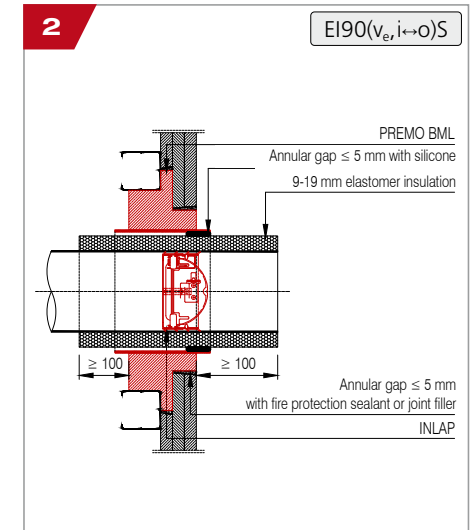
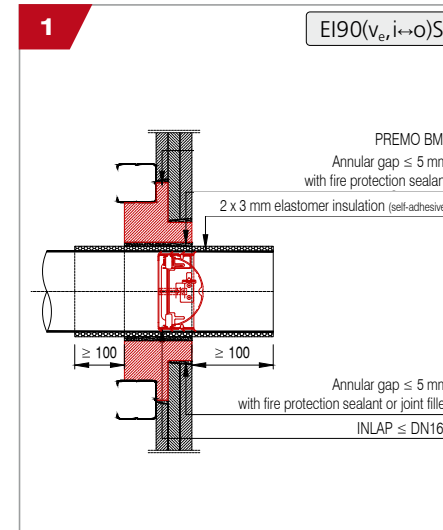
Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12) and AIR FIRE TECH fire damper air vents (R-14.3.2-18-7924/7925)  $\geq 50$  mm.

Distance between AIR FIRE TECH fire dampers (1139-CPR-1046/12)  $\geq 50$  mm.

# DECLARATION OF PERFORMANCE

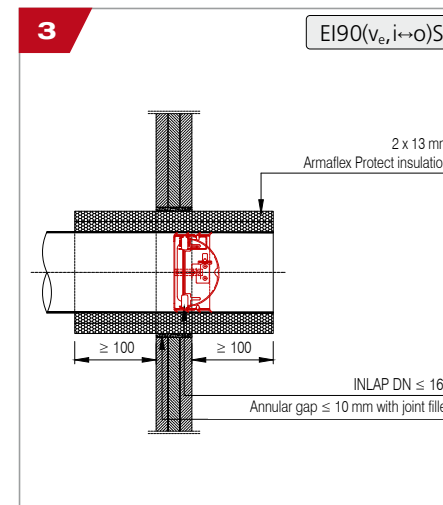
## Installation details – shaft walls

Cladding on one side with 2x20, 3x15 or 2x25 mm



## Installation details – shaft walls

Cladding on one side with 3x15 mm

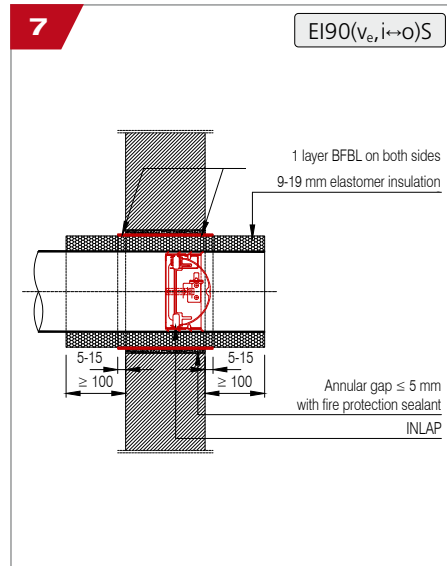
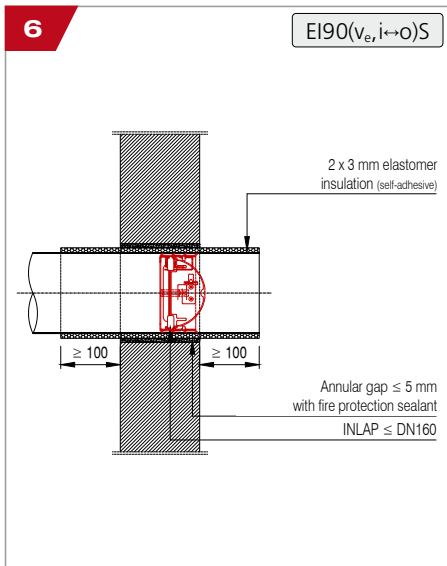
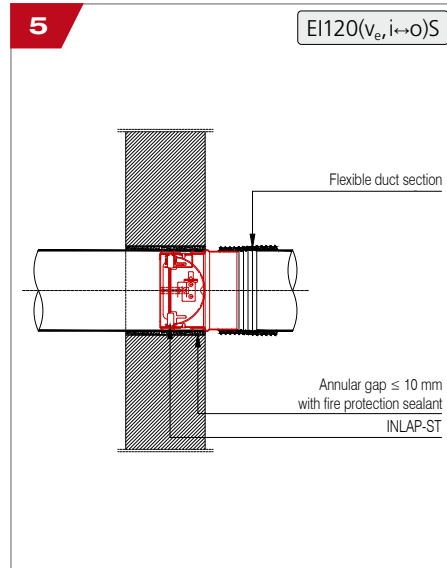
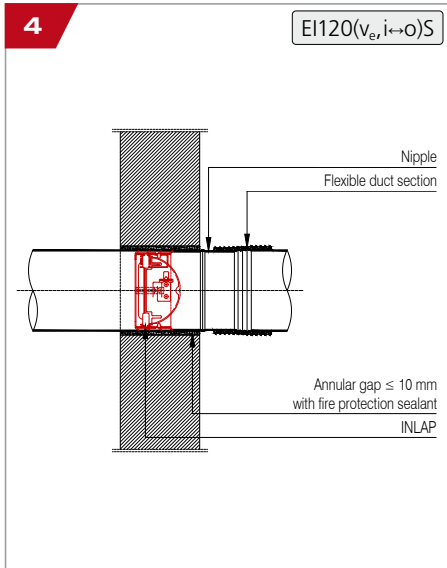


The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall) or PREMO BML fire protection module.

# DECLARATION OF PERFORMANCE

## Installation details – rigid walls

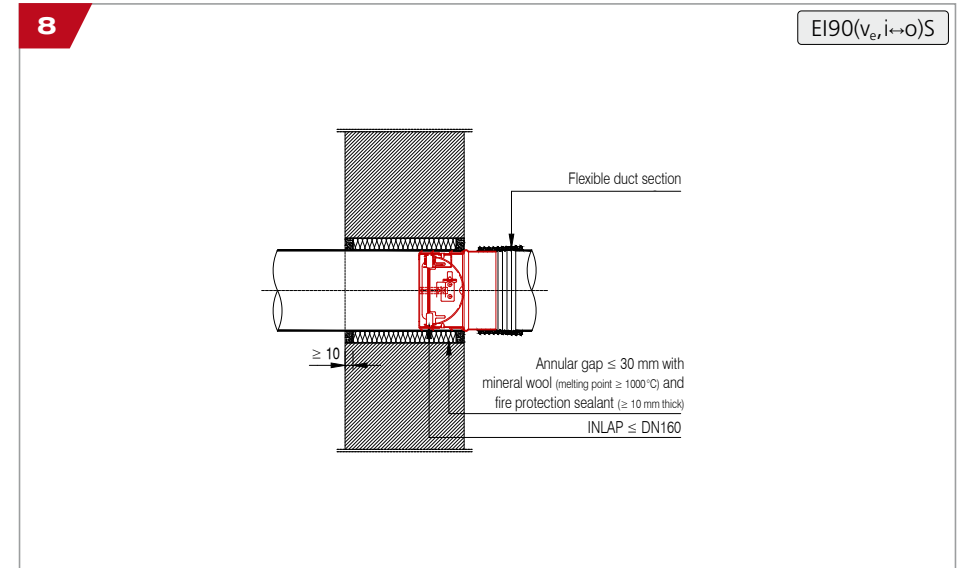
Thickness  $\geq 100$  mm



# DECLARATION OF PERFORMANCE

## Installation details – rigid walls

Thickness  $\geq 150$  mm



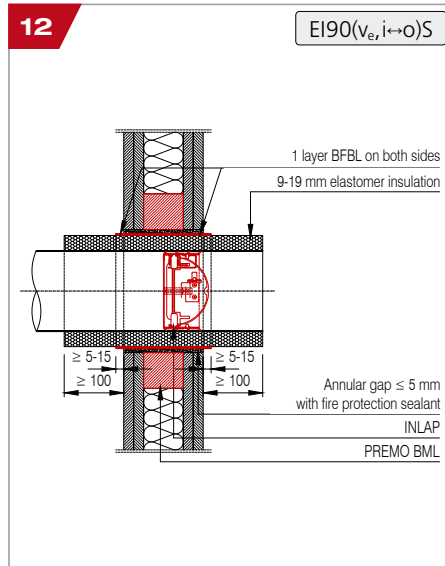
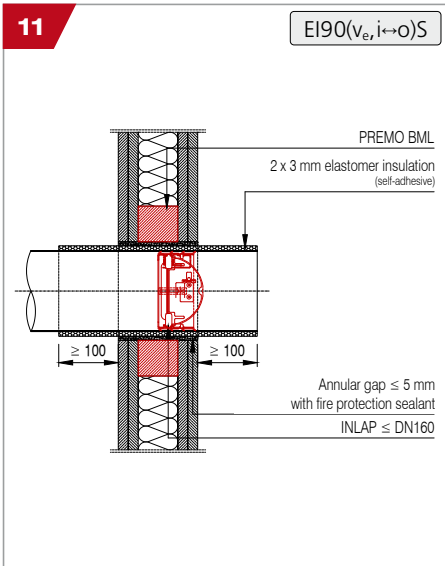
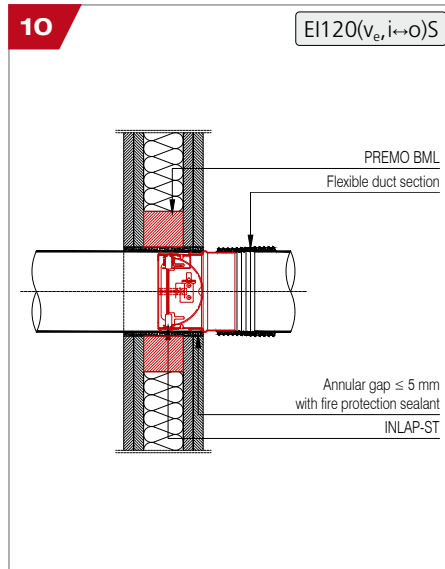
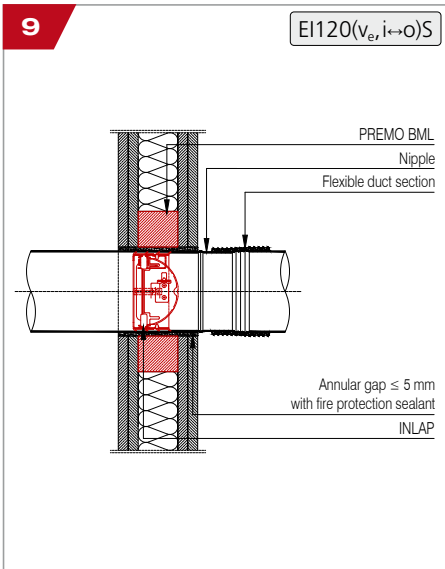
The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall).



# DECLARATION OF PERFORMANCE

## Installation details – flexible walls

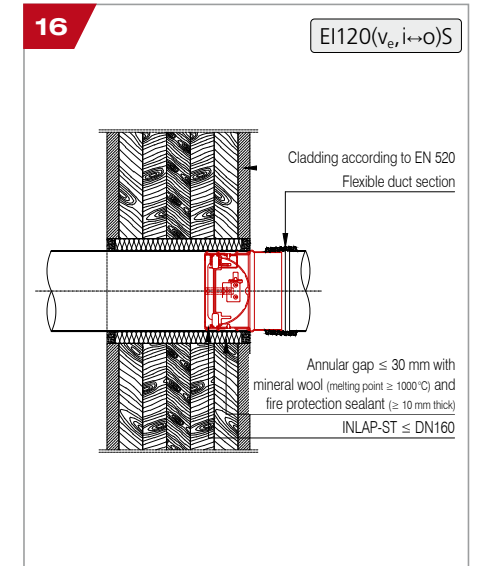
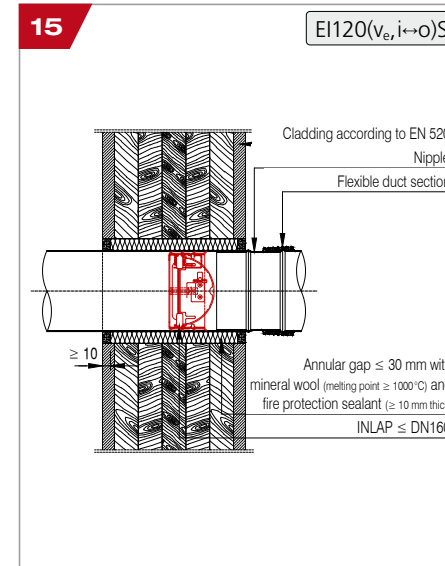
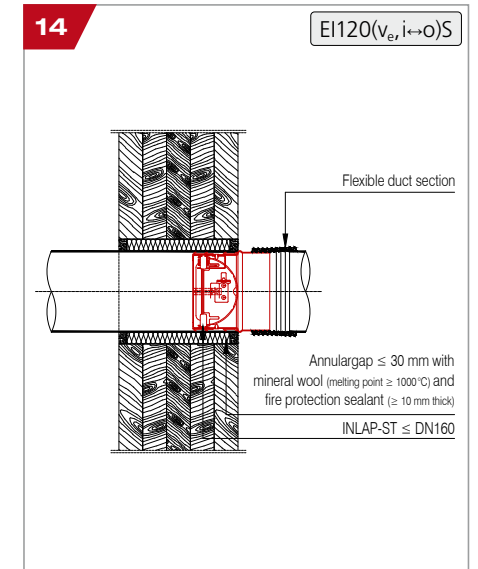
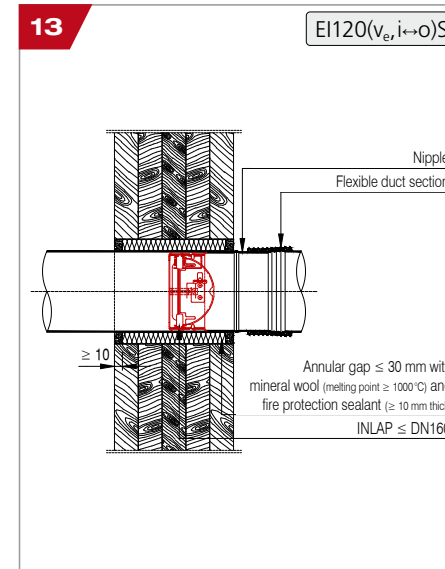
Thickness  $\geq 100$  mm



# DECLARATION OF PERFORMANCE

## Installation details – cross-laminated timber walls

Thickness  $\geq 150$  mm, with or without cladding

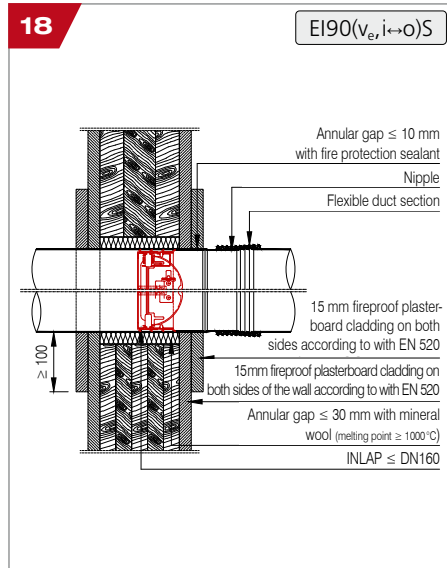
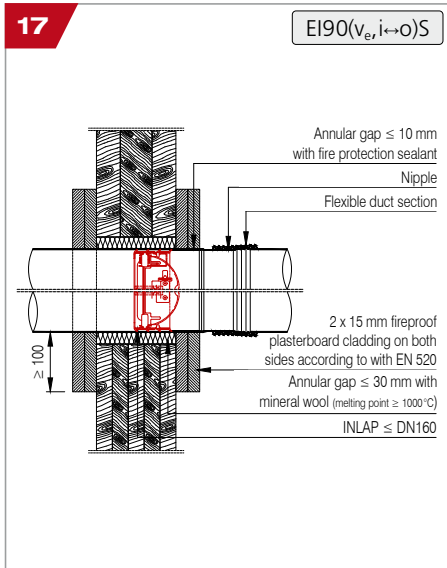


The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall) or PREMO BML fire protection module.

# DECLARATION OF PERFORMANCE

## Installation details – cross-laminated timber walls

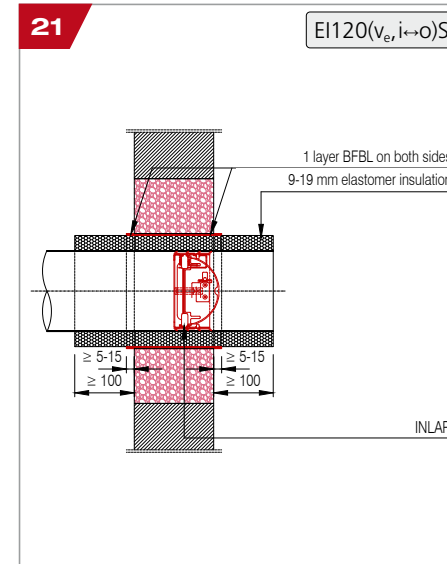
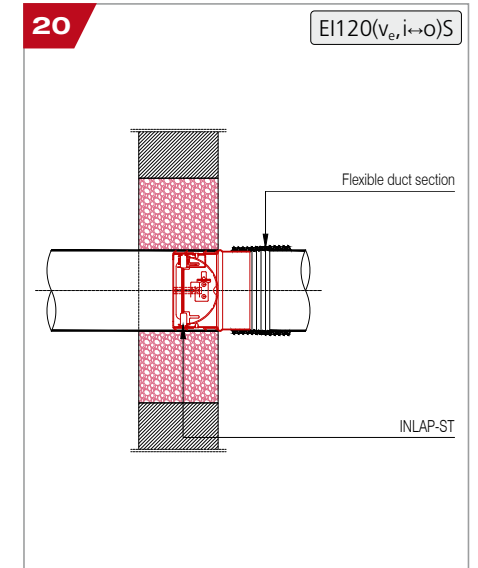
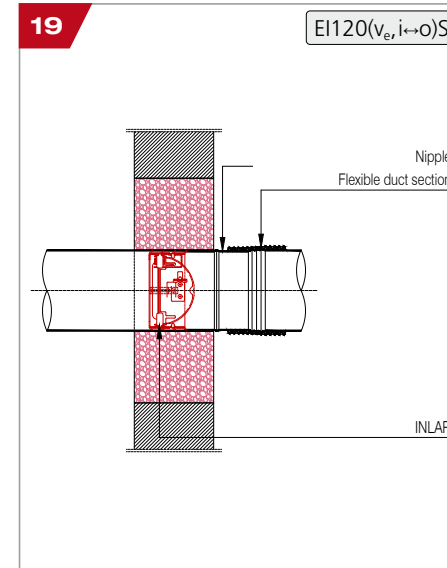
Thickness  $\geq 100$  mm, with or without wall cladding, with local cladding



# DECLARATION OF PERFORMANCE

## Installation details – TIROTECH® fire protective mortar

Sealing thickness  $\geq 100$  mm, installation in rigid walls  $\geq 100$  mm

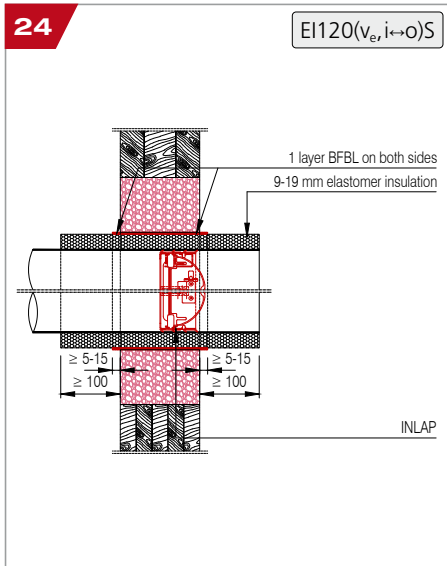
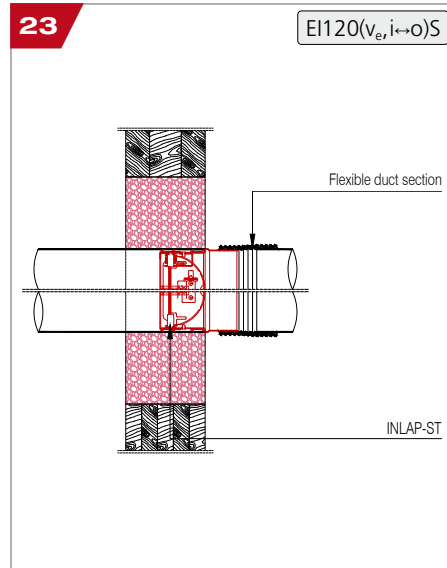
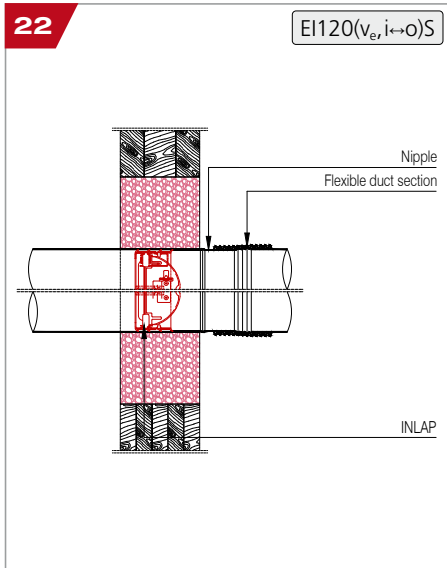


The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall).

# DECLARATION OF PERFORMANCE

## Installation details – TIROTECH® fire protective mortar

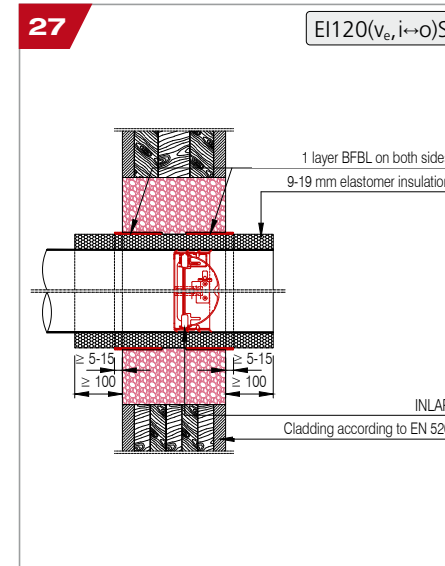
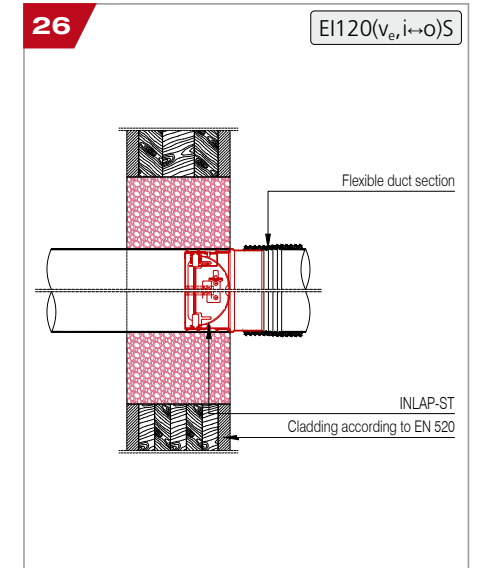
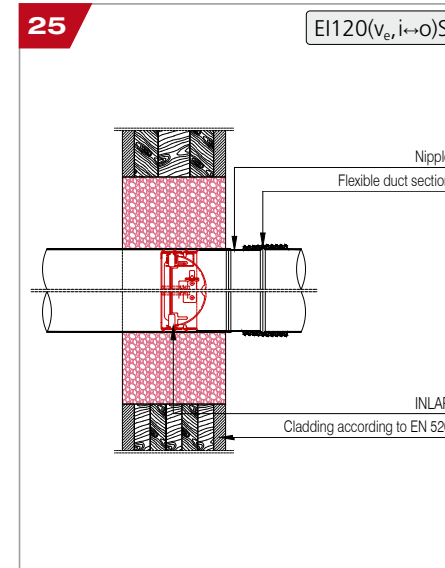
Sealing thickness  $\geq 100$  mm,  
installation in cross-laminated timber walls  $\geq 100$  mm



# DECLARATION OF PERFORMANCE

## Installation details – TIROTECH® fire protective mortar

Sealing thickness  $\geq 100$  mm,  
installation in cross-laminated timber walls  $\geq 100$  mm with cladding

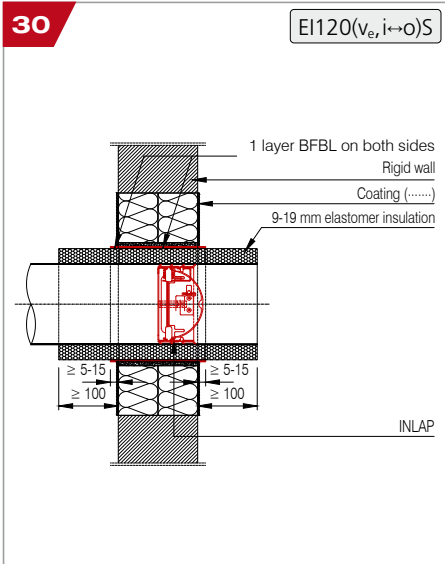
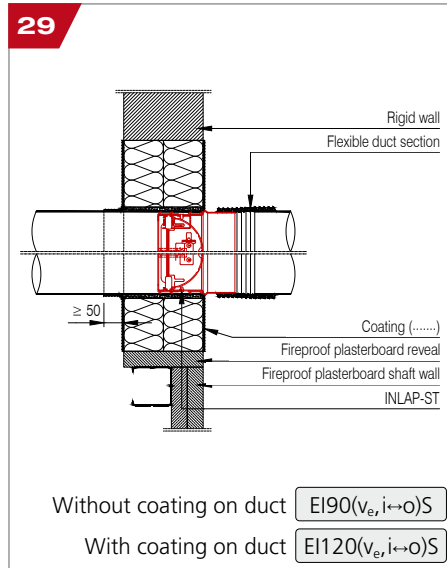
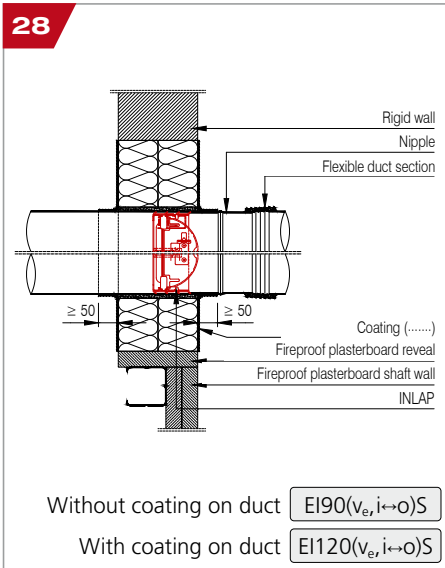


The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall).

# DECLARATION OF PERFORMANCE

## Installation details – Soft bulkhead systems

Sealing thickness  $\geq 2 \times 50$  mm, installation in rigid walls  $\geq 100$  mm or fireproof plasterboard shaft walls, cladding on one side with 2x20, 3x15 or 2x25 mm

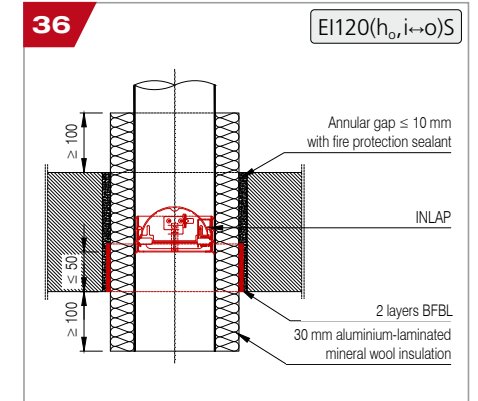
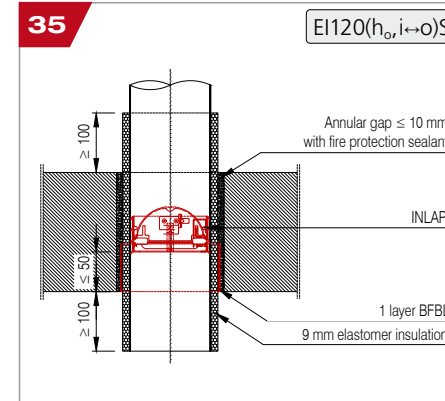
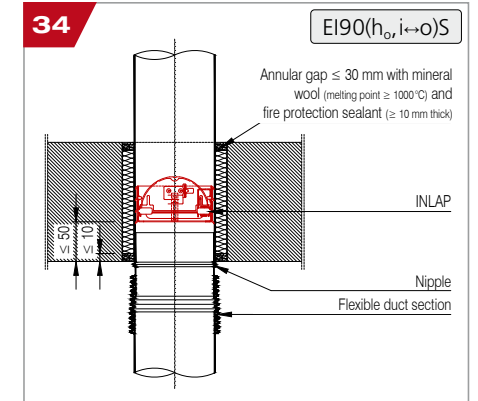
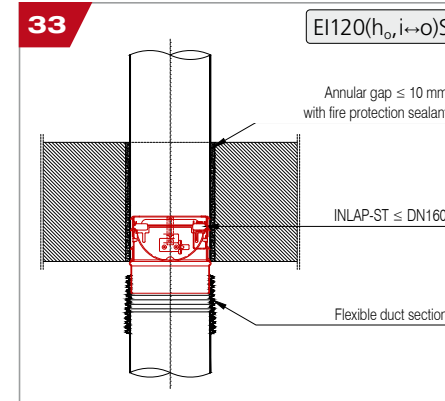
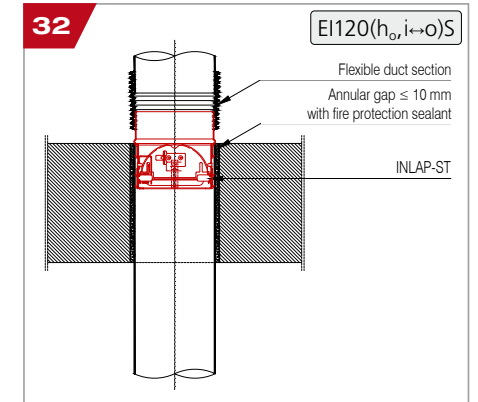
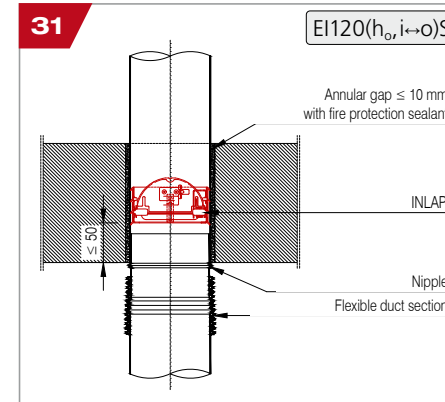


The fire damper must be arranged so that the axis of the double-leaf damper blade is positioned in the centre of the separating element (wall).

# DECLARATION OF PERFORMANCE

## Installation details – rigid floors/ceilings

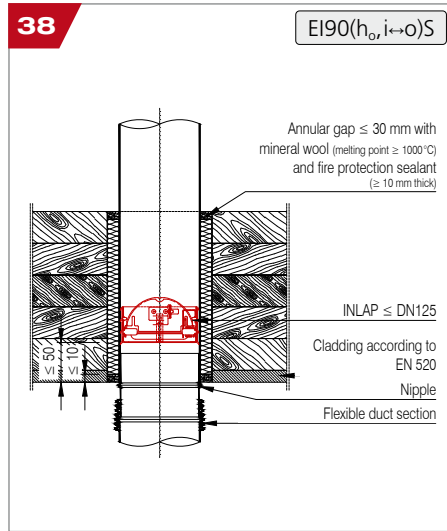
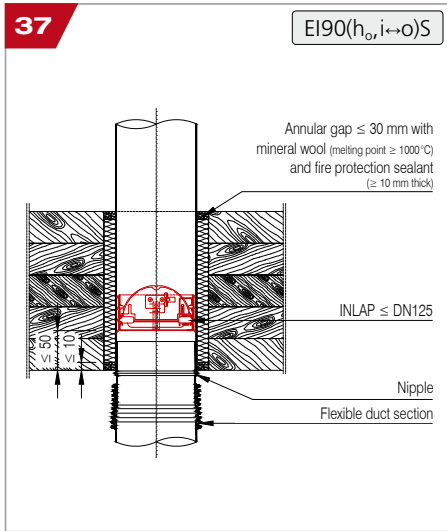
Thickness  $\geq 150$  mm



# DECLARATION OF PERFORMANCE

## Installation details – cross-laminated timber floors

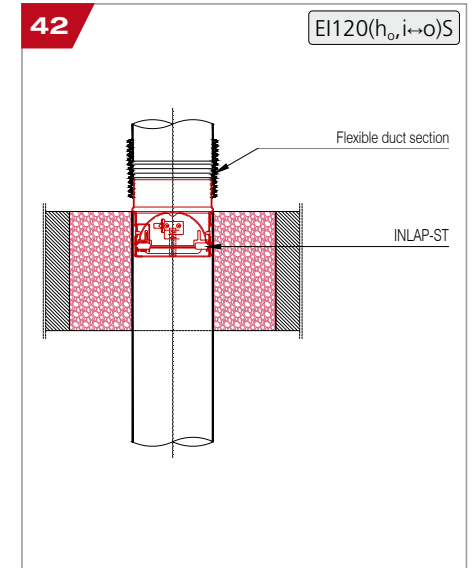
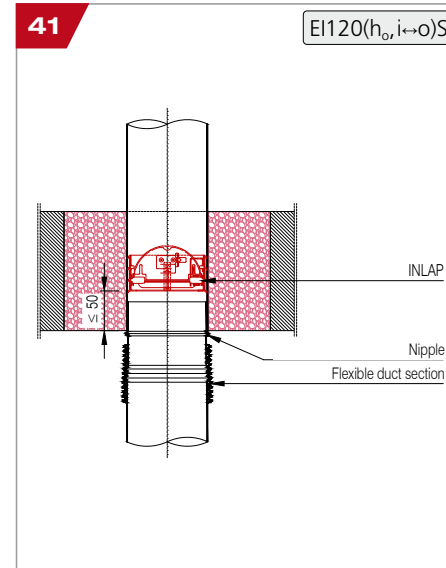
Thickness  $\geq 200$  mm, with or without cladding



# DECLARATION OF PERFORMANCE

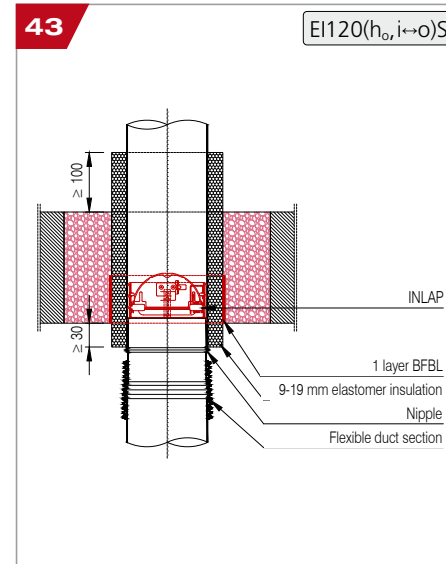
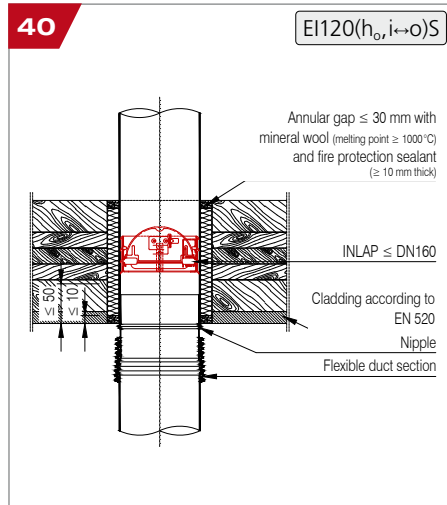
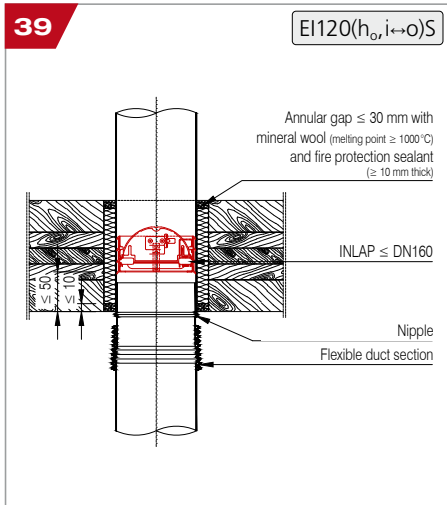
## Installation details – TIROTECH® fire protective mortar

Sealing thickness  $\geq 150$  mm, Installation in rigid floors/ceilings  $\geq 150$  mm



## Installation details – cross-laminated timber floors

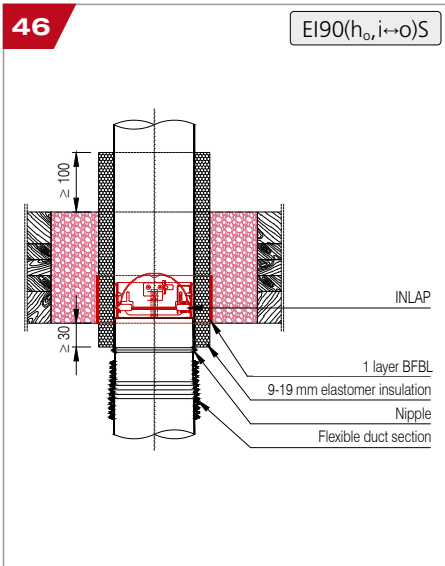
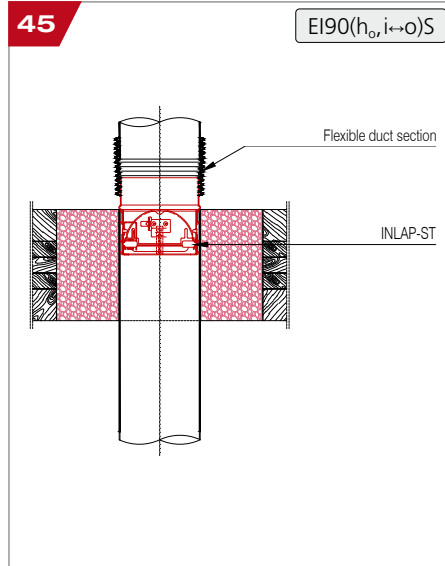
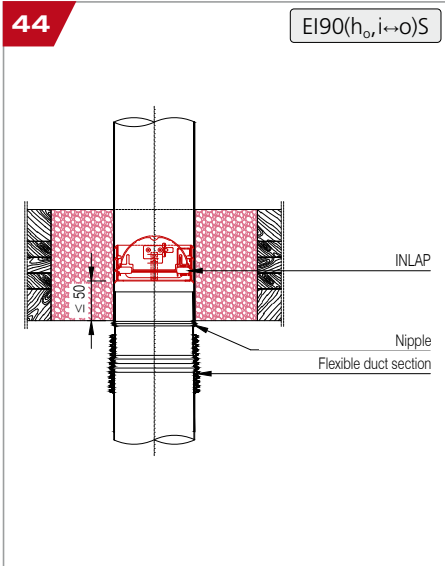
Thickness  $\geq 140$  mm, with or without cladding



# DECLARATION OF PERFORMANCE

## Installation details – TIROTECH® fire protective mortar

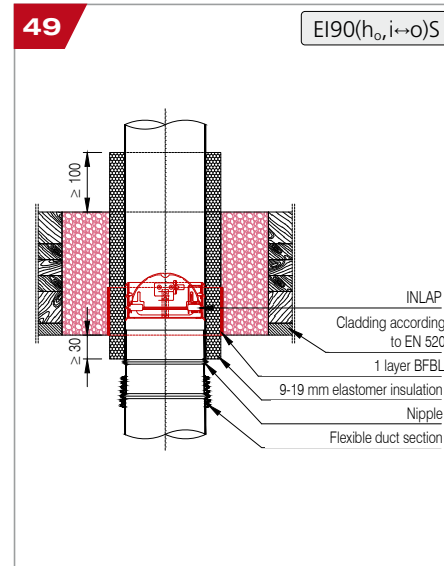
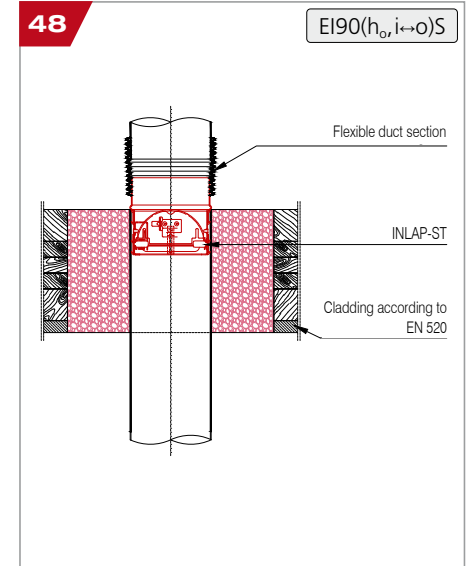
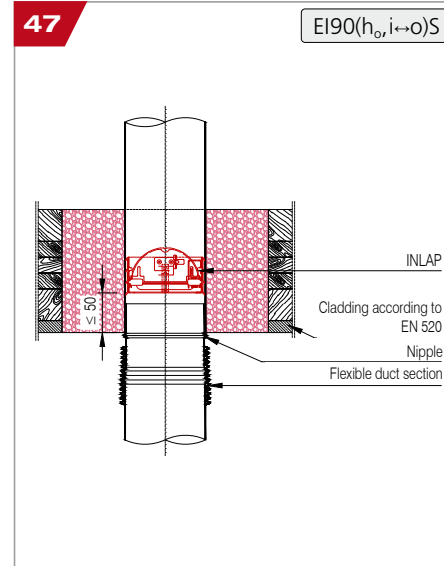
Sealing thickness  $\geq 140$  mm,  
Installation in cross-laminated timber floors  $\geq 140$  mm



# DECLARATION OF PERFORMANCE

## Installation details – TIROTECH® fire protective mortar

Sealing thickness  $\geq 140$  mm,  
Installation in cross-laminated timber floors  $\geq 140$  mm with cladding

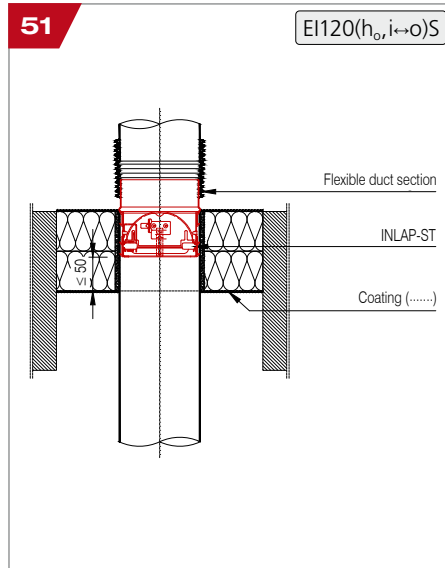
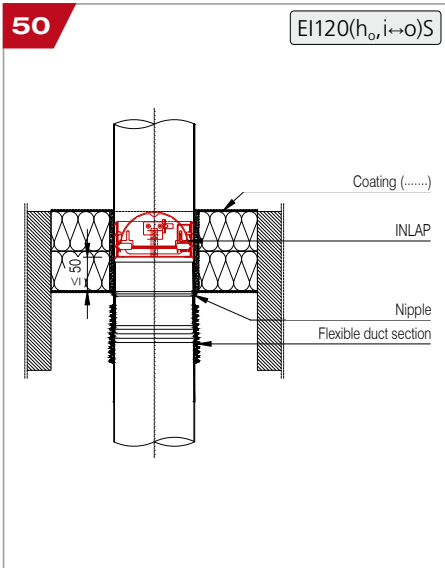




# DECLARATION OF PERFORMANCE

## Installation details – Soft bulkhead systems

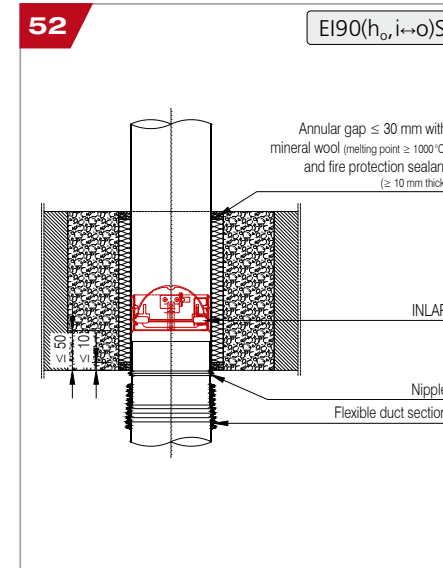
Sealing thickness  $\geq 2 \times 50$  mm, installation in rigid floors/ceilings  $\geq 200$  mm



# DECLARATION OF PERFORMANCE

## Installation details – Prottelith installation block

Sealing thickness  $\geq 200$  mm, installation in rigid floors/ceilings  $\geq 200$  mm



The performance of the aforementioned product corresponds to the declared performance(s). The manufacturer named above is responsible for producing the declaration of performance according to with EU Regulation no. 305/2011.

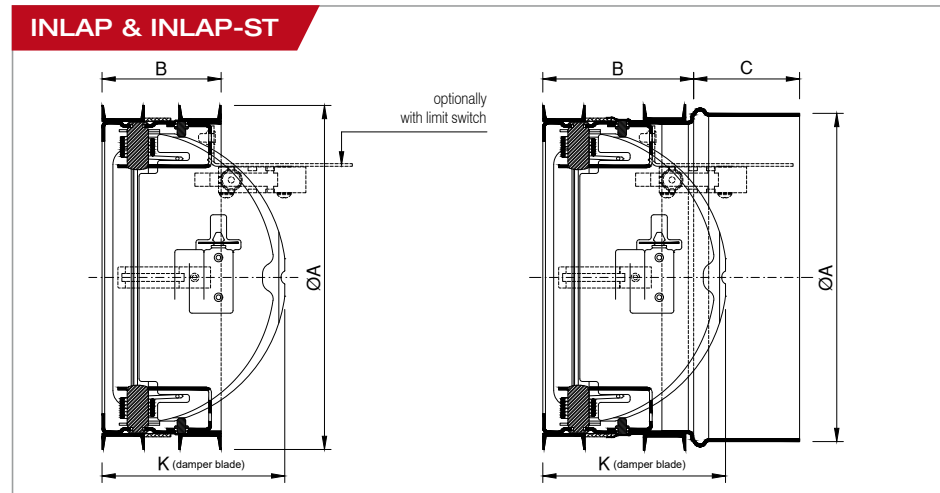
Signed for the manufacturer and in the name of the manufacturer by:

Bad Vöslau, February 2023

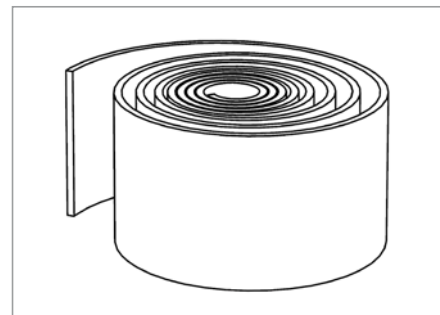
**AIR FIRE TECH**

Air Fire Tech Brandschutzsysteme GmbH  
Stranzenberggasse 7b/1/2, A-1130 Wien  
T: 01 982 01 74-0, E: office@airfiretech.at

(Uwe Stefani, Managing Director CEO  
AIR FIRE TECH Brandschutzsysteme GmbH)



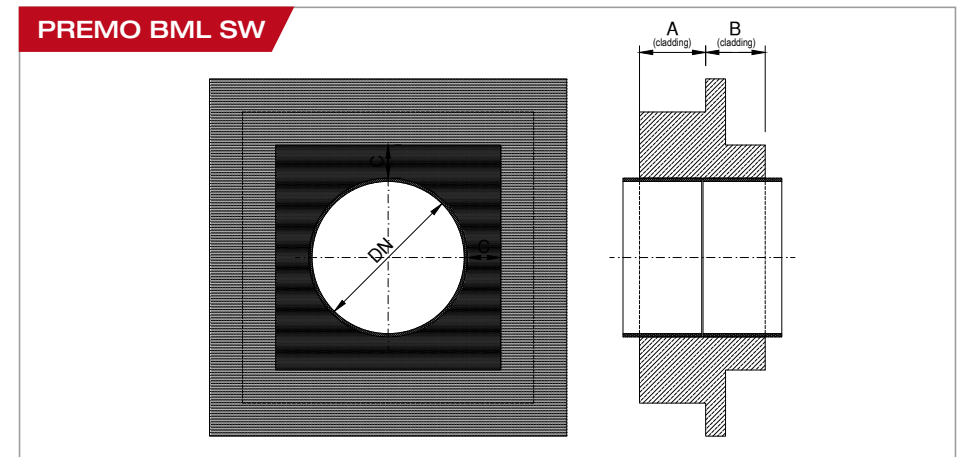
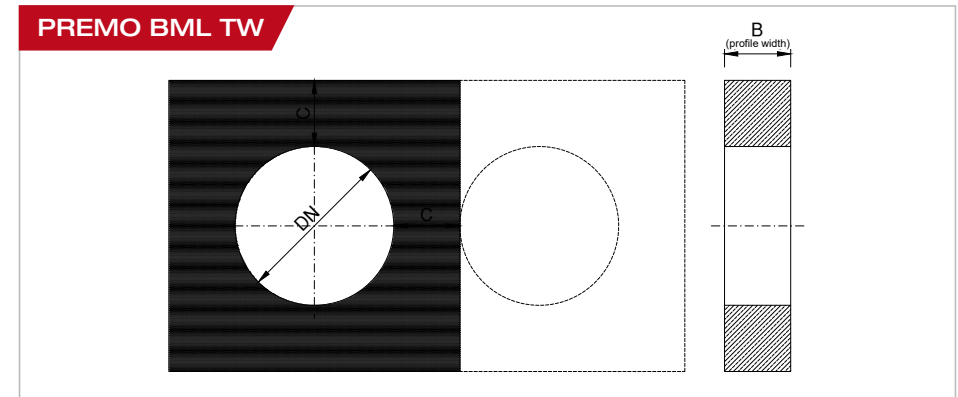
INLAP & INLAP-ST					
Type	Size	ØA [mm]	B [mm]	C [mm]	K [mm]
INLAP INLAP-E	DN80	79	70	-	46
	DN100	99			58
	DN125	124	45		72
	DN160	159			89
	DN200	199	50		106
	DN250	249			132
INLAP-ST INLAP-STE	DN100	99	56	41	58
	DN125	124			72
	DN160	159			89
	DN200	199	106		
	DN250	246	61		132



**BFBL fire protection sealing tape**

Type	Nominal size [m]	PU [pcs./unit]
BFBL645	2.15	3
BFBL2150		10

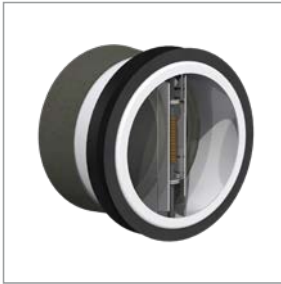
Fire protection module for insulated or non-insulated air ducts



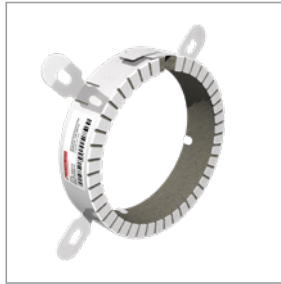
**PREMO BML**

Type	Separating element	DN	A [mm]	B [mm]	C [mm]
PREMO BML TW100	for flexible walls	100–250	-	50	≥ 50
PREMO BML TW125				75	
PREMO BML TW150				100	
PREMO BML SW45/50	for shaft walls	100–250	50	45	≥ 25
PREMO BML SW45/40		100–250	40		

# Fire protection



Fire damper air vents\*  
FSA  
FLI-VE(ho+ve)90



Pipe collars\*  
RORCOL  
EI120 / EI90 / EI60



Access panels\*  
FIREREV  
EI120 / EI90 / EI60 / EI30

\* Products listed are not the regulation object of the approval.



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I: www.airfiretech.at



<b>CE</b> 1139
Air Fire Tech Brandschutzsysteme GmbH Hanuschgasse 1 / Top 4A 2540 Bad Vöslau AUSTRIA
13
1139-CPR-1046/12
EI120(h <sub>o</sub> ,v <sub>e</sub> ,i↔o)S* EI90(h <sub>o</sub> ,v <sub>e</sub> ,i↔o)S *depending on the separating element
INLAP
DOP 01/2023/INLAP
EN 15650:2010
Fire damper fire damper EI120(h <sub>o</sub> ,v <sub>e</sub> ,i↔o)S EI90(h <sub>o</sub> ,v <sub>e</sub> ,i↔o)S