

Application

Flexible walls: The wall must have a minimum thickness of 100 mm and comprise 50mm steel or timber studs. On both faces, have a minimum of 2 layers of 12.5 mm thick boards.

Rigid walls: The wall must have a minimum thickness of 100 mm and comprise concrete, aerated concrete, blockwork or masonry.

The supporting construction should be classified in accordance with EN 13501-2 for the required fire resistance period.

Maximum seal size 266 x 266 mm / Ø 300 mm

Pipe can be fitted anywhere within the aperture, subject to minimum distance requirements.

For Insulated metal pipes, minimum of FS702 10mm wide and 25mm deep
For non-insulated pipes, minimum of FS702 6mm wide and 25mm deep

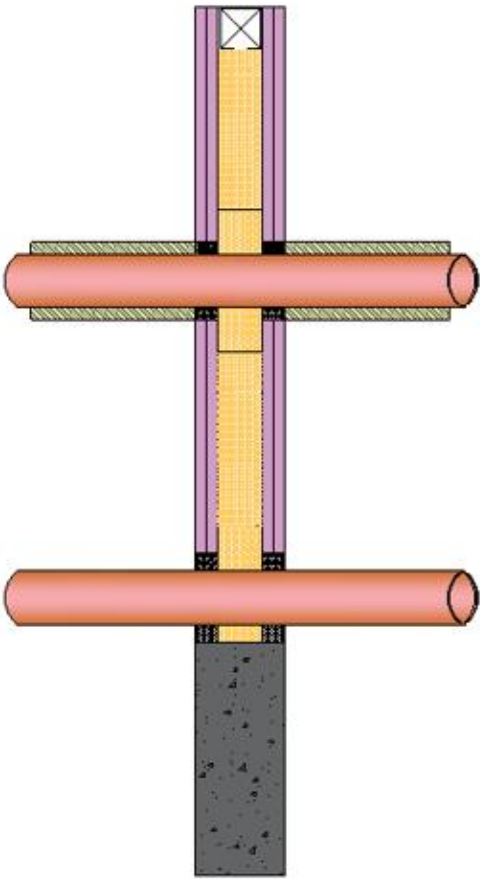
Nullifire FS702 Intumastic is applied to seal around the services on **both faces** at the interface between seal and supporting construction.

- All surfaces must be clean, free from dirt, grease and other contamination.
- Insert required backing material (see table on TDS), oversized to opening to ensure stability, to provide correct depth of seal.
- Using a suitable tool, cut nozzle of cartridge to bead size and angle required.
- Gun sealant into gap to required depth by applying an even pressure to the trigger.
- Work and tool to a smooth finish immediately with a wet profiling tool or spatula.
- Safety data sheet and Technical data sheet must be read and understood before use

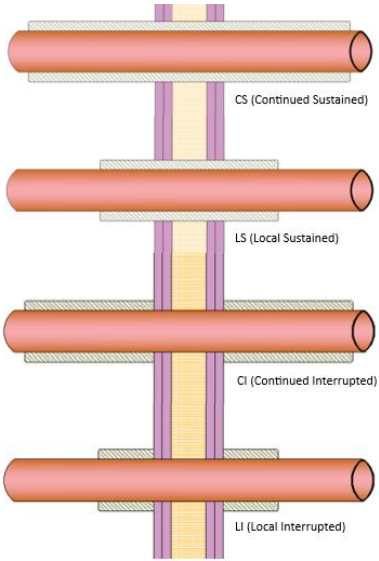
- **Nullifire FI025** Measure around service.
- Unroll product to the measured length plus 50 mm.
- Apply around the services ensuring a tight abutment to the primary seal.
- Locate the overlap to the centre of the upper face.
- Seal 200 mm joint using minimum 30 micron aluminium foil tape.
- Cut 0.9mm gauge lacing wire to the correct circumference plus 100 mm.
- Apply 0.9mm gauge lacing wire around the service to the centre line of FI025 Intuflex (±50 mm). Wrap around and twist the two ends together to the underside of the service, lightly compressing FI025 Intuflex.
- Trim lacing wire ends to ensure no sharp edges are left.
- Any gaps between the primary fire seal and FI025 should be sealed using FS702 Intumastic.
- If zero fibre migration is needed, an FS702 Intumastic seal is required to the primary seal and a fully taped seal using aluminium foil tape will be required to the exposed end.

Important Information:

- If used around Pegler X-Press Carbon Steel pipes, the pipe manufacturer should be consulted, and their recommendations followed.
- Do not use around CPVC pipes; for this specific application please use FS719 HP Blue for CPVC.
- CI (Continuous Interrupted)
- CS (Continuous Sustained)
- LI (Local Interrupted)
- LS (Local Sustained)
- Insulated metal pipes (single) can be fitted at any position within the aperture.



Insulation Configurations explained



Service	Diameter pipe	Pipe wall thickness	Sealant depth	Backing	Insulation	Classification
	mm	mm	mm	mm		
Copper, Steel, Cast Iron	≤ Ø 42	1,2 - 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 20 mm (45 kg/m3) - CS	EI 90 -C/U
Steel, Cast Iron	≤ Ø 48	2,0 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 20 mm (45 kg/m3) - CI	EI 120 -C/U
Steel, Cast Iron	≤ Ø 48	4,0 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 20 mm (45 kg/m3) - CS	EI 90 -C/U
Steel, Cast Iron	≤ Ø 89	4,4 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 40 mm (90 kg/m3) – CS or CI	EI 120 -C/U
Steel, Cast Iron	≤ Ø 160	3,6 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 40 mm (90 kg/m3) –CI	EI 90 -C/U
Steel, Cast Iron	≤ Ø 168	6,0 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	Rock mineral wool insulation 40 mm (90 kg/m3) –CS	EI 120 -C/U
Copper, Steel, Cast Iron	≤ Ø 14	0,9 – 7,0	6x 25	Stone wool 50mm deep min. 33 kg/m3	NA	E 120 I 30 -C/U
Copper, Steel, Cast Iron	≤ Ø 40	1,2 – 14,2	6x 25	Stone wool 50mm deep min. 33 kg/m3	NA	E 120 I 15 -C/U
Copper, Steel, Cast Iron	≤ Ø 160	3,2 – 14,2	6x 25	Stone wool 50mm deep min. 33 kg/m3	NA	E 120 -C/U
Copper, Steel, Cast Iron	≤ Ø 40	1,2 – 14,2	10X 25	Stone wool 50mm deep min. 33 kg/m3	FI025 Intuflex 25mm thick x 200mm long - LI or CI	E 120 I 90 -C/U
Copper, Steel, Cast Iron	≤ Ø 160	2,0 – 14,2	10x 25	Stone wool 50mm deep min. 33 kg/m3	FI025 Intuflex 2 layers and 2.5 rows - CI	EI 120 -C/U

* Consult the ETA for detailed information

Insulated and Non Insulated metal pipe flexible or rigid wall (≥ 100 mm)

FS702-DW100-SI-03-00021

Tested according to EN 1366-3, classified to EN 13501-2

ETA -21/0010
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Suitable for flexible and rigid walls, the performance of the fire stopping will always be limited to the performance of the surrounding substrates



Nullifire products
[FS702 Sealant](#)
[FI025 Intuflex Insulation](#)



Minimum Distances

Distance to aperture 0mm
Distance insulation to insulation 0mm (bank only)
Distance insulation to insulation 30mm (cluster only)



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