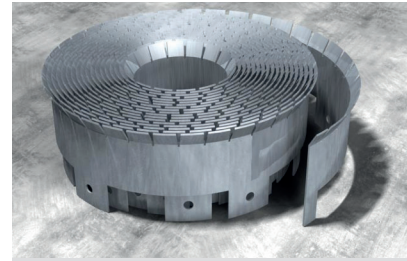


Universal intumescent wrap strip for sealing combustible services

2
Products



Floor application



Universal Collar 2

ASSESSMENT/APPROVAL

American Standard

ASTM E 814
(UL 1479)

ASTM E 84
(UL 723)



FILL VOID OR CAVITY MATERIAL
FOR USE IN THROUGH
PENETRATIONS FIRE STOP
SYSTEMS SEE UL FIRE RESISTANCE
DIRECTORY 4NE5



APPROVED

ADVANTAGES

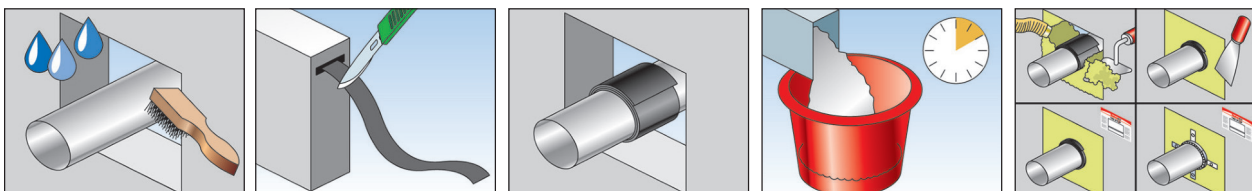
- Efficient and effective for sealing of pipe openings in floors and walls
- Easy to fit
- Moisture resistant
- Freeze-thaw characteristics
- No mechanical fixing required
- Economical solution
- Up to 4 hours fire resistance
- Asbestos and halogen free

APPLICATIONS

- Non-metallic service: PVC 14" (355 mm), cPVC 8" (203 mm), ABS 6" (152 mm), FRPP 4" (102 mm)
- Insulated service: Steel 10" (254 mm), Iron 10" (254 mm), Copper 4" (102 mm), Glass fibre 3" (75 mm), AB/PVC flexible foam 1" (25 mm)
- Cable bunches: 3" (76 mm)

FUNCTIONING

- FiWS is a flexible, intumescent graphite-based synthetic compound strip, which has been designed to be installed in both vertical and horizontal applications.
- FiWS has been developed as a PRE or cast-in FireStop solution, and has been designed to work with the fischer Universal Collar for retro fitting or surface mounted applications.
- For large openings, the FiWS can be used in conjunction with the FFSC.



INSTALLATION

1. Clean all contact surfaces so they are free from loose debris and contaminants.
2. Ensure services are sufficiently supported as per approved system or local building codes.
3. Choose the correct size of FiWS in accordance with the pipe diameter.
4. Wrap FiWS around the pipe and fix it tightly.
5. Backfill with FiAM or FFSC as per approved system.

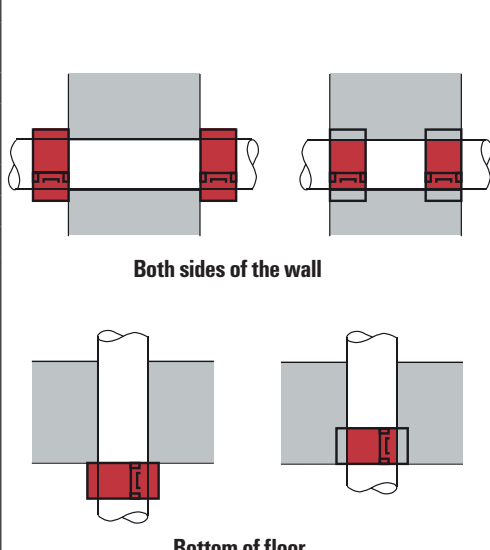
SPECIFICATIONS

Item	Art.-No.	Dimensions [mm / inch]	Sales unit [pcs]
FiWS-2	531397	50 mm x 6 mm x 3.66 m / 2" x 1/4" x 12'	1
Universal Collar 2	536053	51 mm x 15 m / 2" x 50 ft	1

TECHNICAL DATA

State	Solid
Colour	Black inner component in outer red carrier
Odour	Odourless
Density	1.3 kg/m ³
Expansion ratio	1 : 40
Significant expansion occurs at temperature	> 190 °C
Application temperature	-40 °C to 130 °C
Max. Pipe diameter	Max. < 355 mm (14")
Flame spread (ASTM E 84 - UL723)	5
Smoke index (ASTM E 84 - UL723)	5
Shelf life	5 years = 60 months

APPLICATION DATA

	FiWS 2 - typical configuration			Length [m]
	Pipe diameter [mm]	No. of layers	No. of stacks for 2" wraps	
 <p>Both sides of the wall</p> <p>Bottom of floor</p>	50	1	1	0,34
	75	2	1	1,1
	100	2	1	1,42
	150	3	1	3,18
	200	4	1	5,64
	305	4	2	16,56

Note: For detailed information please refer to the appropriate UL listed systems.