

Modular fire-rated element for combustible pipe penetrations

DESCRIPTION

AF MULTICOLLAR is a modular fire-rated collar conceived to grant EI 120 (according to EN 1366-3) to walls passed through by combustible pipes.

It consists of a stainless steel linear roll and two or more layers of highly intumescent material.

AF MULTICOLLAR can be cut to size and installed on pipes with diameter between 30 and 250 mm.

AF MULTICOLLAR field of application can be extended to insulated metal pipes, corrugated pipes, multilayer pipes and combustible pipes with maximum angle of 45°.

When a fire occurs, the pipe suffers a deformation and melts gradually. Meanwhile, the intumescent material FIREFILL 50 expands, blocking thus the passage of smoke and flames.

CHARACTERISTICS

Aspect:	stainless steel case and intumescent stripes
Color:	silver
Size of the metal stripe:	2500x50 mm
Size of the intumescent stripe:	8600x50x4 mm
Diameter:	from 30 to 250 mm
Free expansion:	>20:1
Activation temperature:	180°C

APPLICATION METHOD

1. Measure the pipe diameter and cut the stainless steel case and intumescent stripe according to the table below
2. Wrap the intumescent stripe around the combustible pipe and secure it with a single adhesive stripe.
3. Place the stainless steel case around the intumescent stripe by achieving an overlap of the borders of at least 30 mm then connect it then with self-tapping screws
4. Secure the collar to the wall by using self tapping screws and to the floor by using metal expansion plugs

Note: For diameters 200 and 250 mm, two collars must be installed for each side sequentially (follow the instructions highlighted on the packaging)

PACKAGING AND STORAGE

Cardboard boxes.

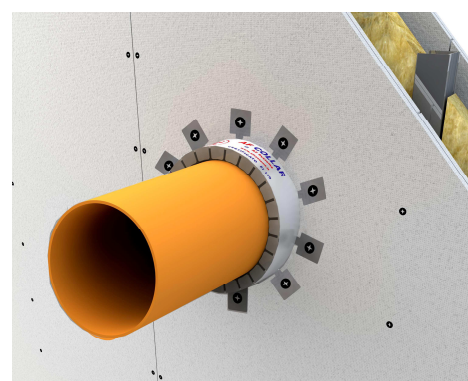
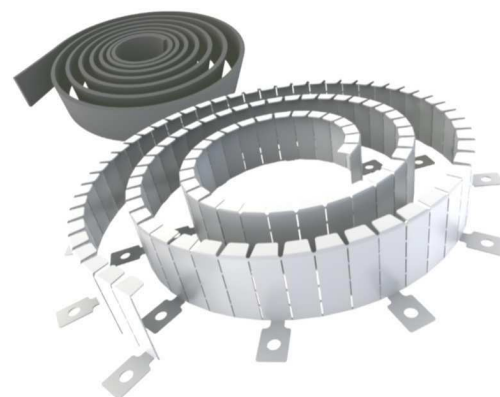
As long as the product is kept in a dry environment, there is no time limit for its storage.

SPECIFICATIONS

Supply and installation of the fire-rated modular element **AF MULTICOLLAR**. It has been designed to grant EI 120 to plasterboard walls and EI 180 to aerated concrete floors passed through by combustible pipes (maximum diameter 250 mm). **AF MULTICOLLAR** is composed of a metal stripe and an intumescent stripe.

CERTIFICATIONS

Class EI 120	(EN 1366-3)	Plasterboard wall
Class EI 180	(EN 1366-3)	Aerated concrete floor
ETA 16/0771		



Diameter of the pipe [mm]	Width of the metal stripe [mm]	Width of the intumescent stripe [mm]	N° of layers of the intumescent stripe	N° of fire-rated collars that it is possible to obtain
30	200	240	2	12
40	230	310	2	10
50	260	380	2	9
63	300	460	2	8
80	350	560	2	7
90	380	620	2	6
100	410	680	2	6
110	440	750	2	5
125	515	1310	3	4
140	560	1450	3	4
160	620	1640	3	4
200	2x795	2x3500	5	1
250	2x955	2x4300	5	1