



Serie FX-400



INTUMESCENT COLLAR



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INTUMESCENT COLLAR SERIE FX-400



DESCRIPTION

FIREBREAK's **FX-400** collars comprise a range of devices designed primarily for installation around plastic pipe in fire separating constructions. In the event of a fire, the intumescent material in the collar expands to crush the softening pipe and fill the resulting opening, thus maintaining the fire integrity and insulation performance of the floor or wall.

INSTALLATION

Type of installation: rigid wall, flexible wall (plasterboard partition walls), concrete slab. The collars are screwed onto the wall surface and can even be installed on pipes already in place.

CERTIFICATIONS

The collars are certified according to EN1366-3:2009 in the UK laboratory. All carry CE marking and various certifications ISO, durability, ETA approved by UL International.

The collars have endurance times of 120 minutes on the following types of pipes:

- uPVC
- uPVC with Armaflex insulation
- HDPE
- Polypropylene
- Polyethylene
- Polybutadiene
- ABS
- UPONOR plumbing (MLCP)
- Copper/steel plumbing with Armaflex insulation
- Telephone wiring

CONSTRUCTIVE FEATURES

The collar is available in 3 different finishes:

- **PC:** with red painted steel bushing and side lever latch lock.
- **Z:** with zinc-plated steel bushing in 2 halves with lateral hook closure.
- **MC:** with stainless steel bushing for small diameter pipes. When installed in a wall (horizontal pipe) it is necessary to install a collar on each side of the wall. When installed in slab (vertical pipe) a collar is placed only on the lower face of the slab.



FX400-Z open and closed

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HOMOLOGATION ON WALL OR FLEXIBLE WALL 100mm MINIMUM THICKNESS

TYPE OF PIPE	PIPE DIAMETER (mm)	TUBE WALL THICKNESS (mm)	COLLAR DIAMETER (mm)	EI
uPVC	20-40	3-3,2	Equal to pipe diameter	120
	42-82	3,2		120
	92-100	6,6		120
	125-160	3,2-9,5		120
	200	3,9		120
PE/ABS/SAN+UPVC	20-40	3,7-4,6		120
	42-50	4,6		120
	75-90	5,1		120
	110	6,2-6,6		120
	125-160	7		120
PP	20-40	3,7		90
PB	20-40	6,8		120
	42-75	6,8		60
MLCP	20-32	3		90
uPVC+19mm Armaflex	55	2	110	90
Copper/Steel +19mm Armaflex	20-54	0,8-14,2		90
Telephone wiring*	Up to 100	--		90
Telephone wiring**	Up to 100	--		120

NOTE:

- cable diameter max. 21 mm
- cable diameter max. 21 mm + Insulwarp insulation

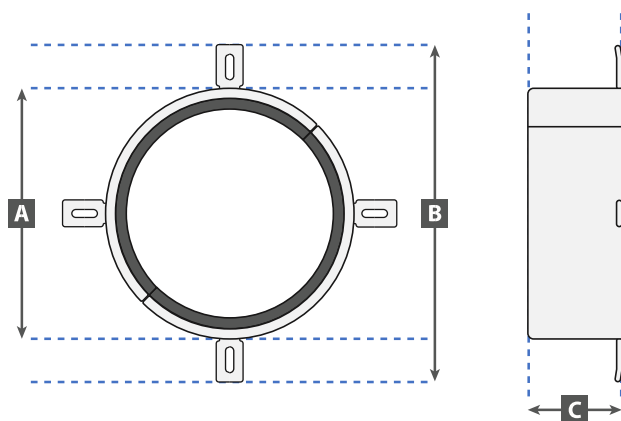
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HOMOLOGACIÓN EN FORJADO 150 mm ESPESOR MÍNIMO

TYPE OF PIPE	PIPE DIAMETER (mm)	TUBE WALL THICKNESS (mm)	COLLAR DIAMETER (mm)	EI
uPVC	20-40	3	Equal to pipe diameter	240
	42-55	2		180
	60-82	3,2		180
	90-110	6,6		180
	125-160	9,5		180
	200	9,5		180
PE/ABS/SAN+uPVC	20-40	3,7		180
	42-110	8,2		240
	125-160	6,2		180
MLCP	16	2		240
	20-40	4		60

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DIMENSIONS



- Diameter **A**: outside collar diameter
- Diameter **B**: outside diameter with feet
- measure **C**: collar thickness measurement

PIPE DIAMETER (mm)	COLLAR TYPE	FINISH	DIM A (mm)	DIM B (mm)	MEASURE C (mm)	FEET QUANTITY
22	MC	INOX	33	77	52	2
25			36	80		
32			41	85		
38			47	91		
42			51	95		
46			58	102		
48			60	104		
50			61	105		
55	Z	ZINCED	68	112	52	4
60			75	120		
65			80	125		
70			85	130		
75			90	135		
82			99	143		
90			109	143		
110			131	181		
125			148	193	62	
140			162	207		
160			185	235		
55	PC	PAINTED	68	112	52	4
82			99	143		
110			131	181		
125			148	193	62	
140			162	207		
160			185	235		



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