

tested property
test method
service no.

fire resistance
EN 1366-3
0084



PE + PP + PVC pipes

service type ¹⁾			non-standard config.	🔥 EI	constructive element ²⁾	FMU collar Firetect pipe collar Ø in mm	application	finish required	max. opening in construction	pipe end configuration	max. angle
dØ (mm)		s1 (mm)					1 or 2 sides				
up to											
Ø110	PE	3,4 up to 10,0		EI 60	flexible walls ≥ 100 mm	Ø110	2 sides	*	110 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	2,7 up to 10,0									
	PP	2,7 up to 6,3									
Ø110	PE	3,4 up to 10,0	screwed on or cast-in with Firetect® PA spirals	EI 60	flexible walls ≥ 100 mm	Ø110	2 sides	*	600x1500 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	2,7 up to 10,0					2 sides	*	600 x 1200 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PP	2,7 up to 6,3					2 sides	*	264 x 264 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
Ø125	PE	3,9 up to 11,7		EI 60	flexible walls ≥ 100 mm	Ø110	2 sides	*	127 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	3,1 up to 11,7									
	PP	3,1 up to 7,1									
Ø140	PE	4,9 up to 14,6		EI 60	flexible walls ≥ 100 mm	Ø140	2 sides	*	140 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	4,0 up to 14,6									
	PP	4,0 up to 14,6									
Ø160	PE	4,9 up to 14,6		EI 60	flexible walls ≥ 100 mm	Ø160	2 sides	*	160 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	4,0 up to 14,6									
	PP	4,0 up to 14,6									
Ø200	PE	6,2 up to 18,2		EI 60	flexible walls ≥ 100 mm	Ø200	2 sides	*	200 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	4,9 up to 18,2									
	PP	4,9 up to 18,2									
max.											
Ø250	PE	9,6 up to 22,7	screwed on with Firetect® PA spirals	EI 60	flexible walls ≥ 100 mm	Ø250	2 sides	*	400 x 1375 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PVC	6,2 up to 22,7									
	PP	6,2 up to 22,7									
individual test results											
Ø110	PE	3,4		EI 120	flexible walls ≥ 100 mm	Ø110	2 sides	*	110 mm	U/U + C/U + U/C + C/C + C/C	default: perpendicular + all angles between 90° and 45°
	PP	2,7		EI 120	flexible walls ≥ 100 mm	Ø110	2 sides	*	110 mm	U/U + C/U + U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PE	4,2	max. 15° angle ³⁾	EI 120	rigid walls ≥ 100 mm	Ø125	2 sides	*	115 mm	U/C + C/C + C/C	perpendicular + all angles between 90° and 45°
	PE	4,2	3x bundled	EI 90	rigid walls ≥ 100 mm	Flex collar	2 sides	*	330 x 330 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
Ø125	uPVC	3,7	with pipe socket	EI 90	flexible walls ≥ 100 mm	Ø125	2 sides	*	125 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
	PP	3,1	screwed on PA board box	EI 90	flexible walls ≥ 100 mm	Ø125	2 sides	*	125 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
Ø200	PVC	6,0	cast-in	EI 60	rigid walls ≥ 150 mm	Ø200	2 sides	*	255 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
Ø400	PVC	12,5	XL size	EI 90	rigid walls ≥ 150 mm	up to Ø400	2 sides	*	405 mm	C/C	perpendicular + all angles between 90° and 45°

in PA board 2S 50 mm

* smoke seal Acrylic on 2 sides

¹⁾ Penetration services must be supported; support distance ≤ 500mm.

²⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period. EI for flexible walls ≥ 100mm is also applicable for rigid walls ≥ 100mm!

³⁾ Max. angle: perpendicular + all angles between 90° and 45° + 0° to max. 15°