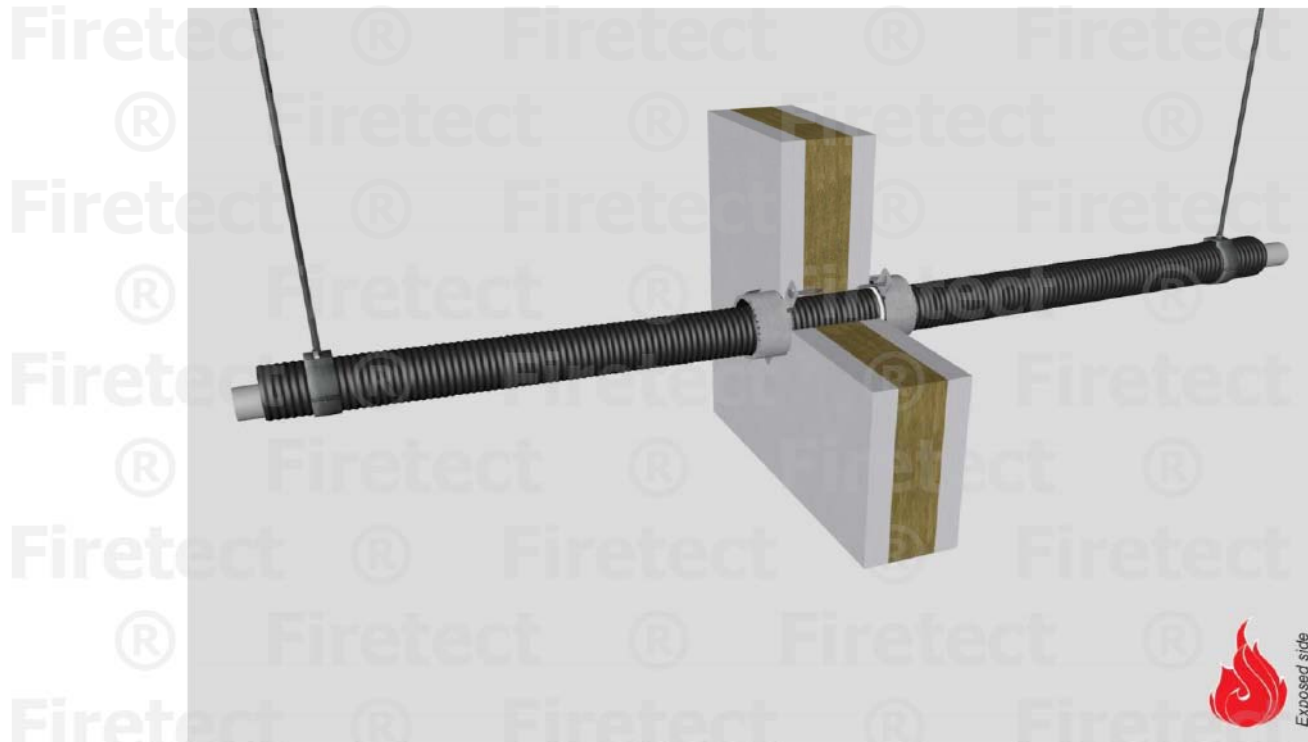


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tested property
test method
service no.

fire resistance
EN 1366-3
19-58

PE-Xa pipes

FMU collar

service type dØ (mm) s1 (mm)	pipe insulation min. 28 kg/m ³ eg Uponor	EI	constructive element ²⁾	Firetect pipe collar		application 1 or 2 sides	finish required	max. opening in construction	pipe end configuration	max. angle	
				width	depth						
Ø15/28 2,5	-	EI 60	flexible walls ≥ 100 mm	Ø40		2 sides	*	28 mm	U/C + C/C	perpendicular + all angles between 90° and 45°	
	-	EI 240	rigid walls ≥ 150 mm	Ø40		2 sides	*	28 mm	U/C + C/C		
	polyolefin 10mm	1200 CS + CI	EI 120	flexible walls ≥ 100 mm	Ø50		2 sides	*	48 mm		U/C + C/C
	polyolefin 10mm	1200 CS + CI	EI 120	rigid walls ≥ 150 mm	Ø50		2 sides	*	48 mm		U/C + C/C
Ø16/25 2,2	-	EI 120	flexible walls ≥ 100 mm	Ø40		2 sides	*	25 mm	U/C + C/C	perpendicular + all angles between 90° and 45°	
	-	EI 240	rigid walls ≥ 150 mm	Ø40		2 sides	*	25 mm	U/C + C/C		
	polyolefin 10mm	1200 CS + CI	EI 120	flexible walls ≥ 100 mm	Ø50		2 sides	*	45 mm		U/C + C/C
	polyolefin 10mm	1200 CS + CI	EI 120	rigid walls ≥ 150 mm	Ø50		2 sides	*	45 mm		U/C + C/C
Ø32/54 4,4	-	EI 120	flexible walls ≥ 100 mm	Ø63		2 sides	*	54 mm	U/C + C/C	perpendicular + all angles between 90° and 45°	
	-	EI 240	rigid walls ≥ 150 mm	Ø63		2 sides	*	54 mm	U/C + C/C		
	polyolefin 20mm	1200 CS + CI	EI 60	flexible walls ≥ 100 mm	Ø110		2 sides	*	94 mm		U/C + C/C
	polyolefin 20mm	1200 CS + CI	EI 240	rigid walls ≥ 150 mm	Ø110		2 sides	*	94 mm		U/C + C/C

* smoke seal Acrylic on 2 sides

'Eccentric to zero' position in opening is allowed.

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!