

Notes:

- installation instructions in [TDS](#)
- apply joint seal in opening, flush with wall/floor on 2 sides
- other pipe $d\varnothing + s1$ (thickness) are allowed within range and same pipe material
- EI for flexible walls $\geq 100\text{mm}$ is also applicable for rigid walls $\geq 100\text{mm}$
- angle: perpendicular + all angles between 90° and 45° (default for range) or 15° and 30° (individually tested)

principle detail

Firetect®

tested property

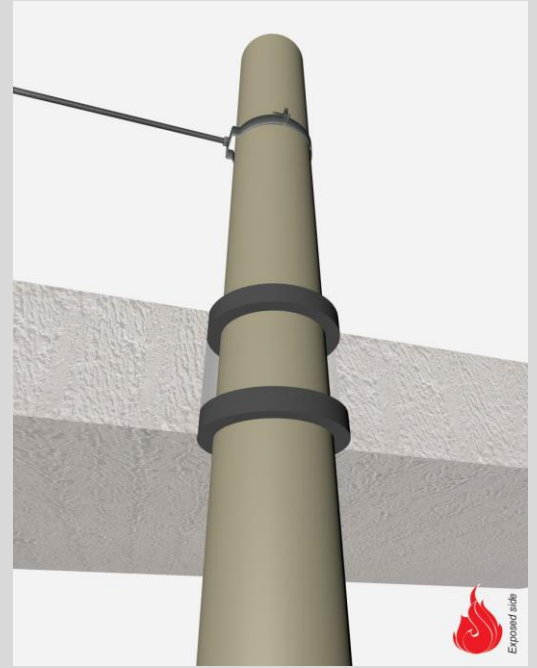
fire resistance

test method

EN 1366-3

service no.

0195



PE + PP + PVC pipes

Graphite sealant

dØ (mm)	service type ¹⁾		pipe insulation min. 60 kg/m ³ eg Armaflex	EI	constructive element ²⁾	Firetect joint seal		application 1 or 2 sides	backing required	max. opening in construction	pipe end configuration	max. angle		
	s1 (mm)	non-standard config.				width	depth							
max.														
Ø110	PE	3,4 up to 10,0	-	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	130 mm	U/C + C/C	perpendicular + all angles between 90° and 45°		
	PVC	2,7 up to 10,0	-											
	PP	2,7 up to 6,3	-											
Ø90	PE	3,4 up to 10,0	-	EI 90	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	140 mm	U/C + C/C			
	PVC	2,7 up to 10,0	-											
	PP	2,7 up to 6,3	-											
Ø90	PE	3,5 up to 8,2	-	EI 120	rigid walls ≥ 100 mm in FR mortar	10 mm	25 mm	2 sides	-	200 x 1000 mm	U/C + C/C			
	PVC	3,0 up to 8,2	-											
	PP	3,0 up to 8,2	-											
Individual test results														
Ø110	PVC	3,2	max. 15° angle ³⁾	-	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	130 mm	U/C + C/C	default: perpendicular + all angles between 90° and 45° or tested with max. $15^\circ/30^\circ$ angle	
	PE	1,0	PE bundle Ø16	-	EI 120	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	*	130 mm	-		
	PE	4,2	-	-	EI 120	flexible walls ≥ 100 mm	50 mm	25 mm	2 sides	-	210 mm	U/C + C/C		
	PE	4,2	-	synth. rubber 13mm	700 LS + LI + CS + CI	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	156 mm		U/C + C/C
	PE	4,2	max. 30° angle ⁴⁾	-	EI 90	rigid walls ≥ 100 mm	10 mm	25 mm	2 sides	-	130 mm	U/C + C/C		
Ø125	PE	max. 11,4	-	-	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	145 mm	U/C + C/C		

* smoke seal Acrylic between pipes on 2 sides

¹⁾ Penetration services must be supported; support distance $\leq 500\text{mm}$ (wall) or $\leq 400\text{mm}$ (floor).

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

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

⁴⁾ Max. angle: perpendicular + all angles between 90° and $45^\circ + 0^\circ$ to max. 30°