

Notes:

- installation instructions in [TDS](#)
- apply joint seal in opening, flush with wall/floor on 2 sides
- **other pipe dØ + s1** (thickness) are allowed within range and same pipe material
- EI for flexible walls ≥100mm is also applicable for **rigid walls** ≥100mm
- angle: perpendicular + all angles between 90° and 45°

principle detail

Firetect®

tested property

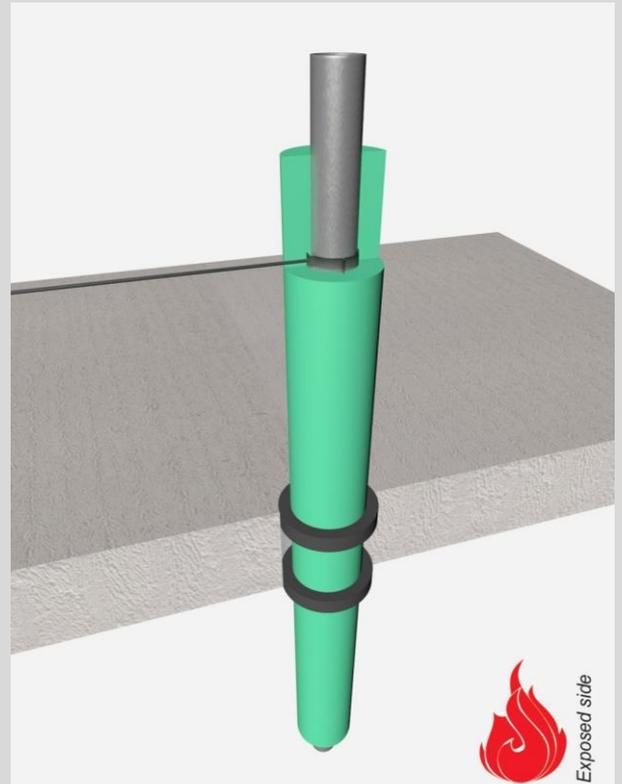
fire resistance

test method

EN 1366-3

service no.

17-5-1



steel pipes

Graphite sealant

service type ¹⁾		pipe insulation		EI	constructive element ²⁾	Firetect joint seal		application	backing required	max. opening in construction	pipe end configuration	max. angle	
dØ (mm)	s1 (mm)	min. 90 kg/m ³ eg Rockwool 810	min. 33 kg/m ³ for PIR			width	depth						
Ø15	1,0	rock wool 25 mm	700 LS + LI + CS + CI	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	85 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°	
		50 mm	700 LS + LI + CS + CI	EI 120	flexible walls ≥ 100 mm	6 mm	25 mm	2 sides	-	128 mm	C/U + U/C + C/C		
Ø35	1,5	rock wool 25 mm	700 LS + LI + CS + CI	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	105 mm	C/U + U/C + C/C		
		50 mm	700 LS + LI + CS + CI	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	155 mm	C/U + U/C + C/C		
Ø42,2	3,25	rock wool 25 mm	700 LS + LI + CS + CI	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	112 mm	C/U + U/C + C/C		
		50 mm	700 LS + LI + CS + CI	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	162 mm	C/U + U/C + C/C		
		PIR 25 mm	1000 LS + LI + CS + CI	EI 120	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	112 mm	C/U + U/C + C/C		
		25 mm	1000 LS + LI + CS + CI	EI 240	rigid walls ≥ 150 mm	15 mm	25 mm	2 sides	-	122 mm	C/U + U/C + C/C		
		25 mm	1000 LS + LI + CS + CI	EI 240	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	122 mm	C/U + U/C + C/C		
		50 mm	1000 LS + LI + CS + CI	EI 120	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	162 mm	C/U + U/C + C/C		
max.	Ø219,1	rock wool 25 mm	700 LS + LI + CS + CI	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	289 mm	C/U + U/C + C/C		
			25 mm	1000 LS + LI + CS + CI	EI 120	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	300 mm		C/U + U/C + C/C
			50 mm	700 LS + LI + CS + CI	EI 90	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	339 mm		C/U + U/C + C/C
		PIR 25 mm	1000 LS + LI + CS + CI	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	289 mm	C/U + U/C + C/C		
			25 mm	1000 LS + LI + CS + CI	EI 180	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	299 mm	C/U + U/C + C/C	
			50 mm	1000 LS + LI + CS + CI	EI 60	flexible walls ≥ 100 mm	10 mm	25 mm	2 sides	-	339 mm	C/U + U/C + C/C	
50 mm	1000 LS + LI + CS + CI	EI 90	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	349 mm	C/U + U/C + C/C				

¹⁾ Penetration services must be supported; support distance ≤ 500mm (wall) or ≤ 400mm (floor).

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!