



tested property  
test method  
service no.

fire resistance  
EN 1366-3  
17-5-1

## steel pipes

### Graphite sealant

service type <sup>1)</sup>		pipe insulation		EI	constructive element <sup>2)</sup>	Firetect joint seal		application	backing required	max. opening in construction	pipe end configuration	max. angle	
dØ (mm)	s1 (mm)	min. 90 kg/m <sup>3</sup> eg Rockwool 810				width	depth						
Ø15	1,0	stone 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	stone 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	perpendicular + all angles between 90° and 45°	
		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	stone 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	perpendicular + all angles between 90° and 45°	
		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	4,5	stone 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	default: perpendicular + all angles between 90° and 45°
			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	

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

<sup>2)</sup> 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!