



tested property
test method
service no.

fire resistance
EN 1366-3
8-6-4s

steel pipes

service type ¹⁾ dØ (mm) s1 (mm)	pipe insulation min. 60 kg/m ³ eg Armaflex	EI	constructive element ²⁾	Acrylic sealant		application 1 or 2 sides	backing required	max. opening in construction	pipe end configuration	max. angle	
				Firetect joint seal width	depth						
Ø12 1,0	synth. rubber 13mm	700 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	10 mm	25 mm	2 sides	-	58 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	13mm	700 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	10 mm	25 mm	2 sides	-	58 mm	C/U + U/C + C/C	
Ø15 1,0	synth. rubber 13mm	700 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	10 mm	25 mm	2 sides	-	61 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	13mm	700 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	10 mm	25 mm	2 sides	-	61 mm	C/U + U/C + C/C	
	rock wool 25mm	1000 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	7 mm	25 mm	2 sides	-	82 mm	C/U + U/C + C/C	
	25mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	7 mm	25 mm	2 sides	-	82 mm	C/U + U/C + C/C	
Ø22 1,1	synth. rubber 13mm	700 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	10 mm	25 mm	2 sides	-	68 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	13mm	700 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	10 mm	25 mm	2 sides	-	68 mm	C/U + U/C + C/C	
	rock wool 25mm	1000 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	5 mm	25 mm	2 sides	-	82 mm	C/U + U/C + C/C	
	25mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	5 mm	25 mm	2 sides	-	82 mm	C/U + U/C + C/C	
Ø28 1,2	synth. rubber 13mm	700 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	10 mm	25 mm	2 sides	-	74 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	13mm	700 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	10 mm	25 mm	2 sides	-	74 mm	C/U + U/C + C/C	
Ø32 1,5	rock wool 25mm	1000 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	10 mm	25 mm	2 sides	-	102 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	25mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	10 mm	25 mm	2 sides	-	102 mm	C/U + U/C + C/C	
Ø42,2 3,25	rock wool 25 mm	1000 LS + LJ + CS + CI	EI 120	rigid walls ≥ 150 mm	9 mm	25 mm	2 sides	-	110 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	25 mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	9 mm	25 mm	2 sides	-	110 mm	C/U + U/C + C/C	
Ø54 2,0	rock wool 32 mm	1150 LI	EI 120	rigid walls ≥ 150 mm	smokeseal		2 sides	-	200 x 200 mm	C/C	default
max.											
Ø219,1 4,50	rock wool 25 mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	299 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°
	25 mm	1000 LS + LJ + CS + CI	EI 120	rigid floors ≥ 150 mm	15 mm	25 mm	2 sides	-	600 x 700 mm	C/U + U/C + C/C	

in PA board 2S 50 mm

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.