



tested property
test method
service no.

fire resistance
EN 1366-3
22-2

steel pipes

Wrap

service type ¹⁾	pipe insulation ²⁾	EI	constructive element ³⁾	Firetect pipe wrap	application	finish	max. opening	pipe end	max. angle			
dØ (mm)	s1 (mm)	min. 75 kg/m ³ eg Climpipe, Rockwool or U Protect Pipe Section Alu2		length π x Ø x no. of layers	1 or 2 sides	required	in construction	configuration				
Ø15	1,0	glass / rock wool 20mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	63 mm	U/C + C/C	perpendicular + all angles between 90° and 45°	
			22mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	63 mm		C/U + U/C + C/C
			30mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	83 mm		U/C + C/C
			30mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	63 mm		C/U + U/C + C/C
			40mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	103 mm		U/C + C/C
			50mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	123 mm		U/C + C/C
			60mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	147 mm		U/C + C/C
	80mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	202 mm	U/C + C/C			
Ø22	1,1	glass / rock wool 22mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	86 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°	
			30mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	86 mm		C/U + U/C + C/C
Ø35	1,5	glass / rock wool 22mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	99 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°	
			30mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	99 mm		C/U + U/C + C/C
Ø42,2	3,25	glass / rock wool 20mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	102 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°	
			30mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	110 mm		C/U + U/C + C/C
			40mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	130mm		C/U + U/C + C/C
			50mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	150 mm		C/U + U/C + C/C
			60mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	174 mm		C/U + U/C + C/C
			80mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	220 mm		C/U + U/C + C/C
Ø76	2,1	glass / rock wool 20mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	132 mm	U/C + C/C	perpendicular + all angles between 90° and 45°	
			30mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	144 mm		U/C + C/C
			40mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	164 mm		U/C + C/C
			50mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	202 mm		U/C + C/C
			60mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	208 mm		U/C + C/C
			80mm	1200 CS + CI	EI 120	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	248 mm		U/C + C/C
max.												
Ø219,1	4,5	glass / rock wool 20mm	1200 CS + CI	EI 90	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	267 mm	C/U + U/C + C/C	perpendicular + all angles between 90° and 45°	
			30mm	1200 CS + CI	EI 90	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	287 mm		C/U + U/C + C/C
			40mm	1200 CS + CI	EI 90	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	307 mm		C/U + U/C + C/C
			50mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	TT x Ø x 2	1 side	*	327 mm		C/U + U/C + C/C
			60mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	351 mm		C/U + U/C + C/C
			80mm	1200 CS + CI	EI 180	rigid floors ≥ 150 mm	TT x Ø x 3	1 side	*	391 mm		C/U + U/C + C/C

* smoke seal Acrylic on 2 sides

¹⁾ Penetration services must be supported; support distance ≤ 400mm.

²⁾ Pipe insulation must be fastened individually (not wrapped!) with steel wire: at max. 50mm + 300mm from constructive element.

³⁾ Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.