



tested property
test method
service no.

fire resistance
EN 1366-3
22-7

copper 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	π x Ø x 2	1 side	*	63 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
				rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	63 mm	C/U + U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	83 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	63 mm	C/U + U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	103 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	123 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 3	1 side	*	147 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°
				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°
				rigid floors ≥ 150 mm	π x Ø x 1	1 side	*	99 mm	C/U + U/C + C/C	
max.										
Ø76	2,1 glass / rock wool 20mm	1200 CS + CI	EI 240	rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	132 mm	U/C + C/C	perpendicular + all angles between 90° and 45°
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	144 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	164 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 2	1 side	*	202 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 3	1 side	*	208 mm	U/C + C/C	
				rigid floors ≥ 150 mm	π x Ø x 3	1 side	*	248 mm	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.