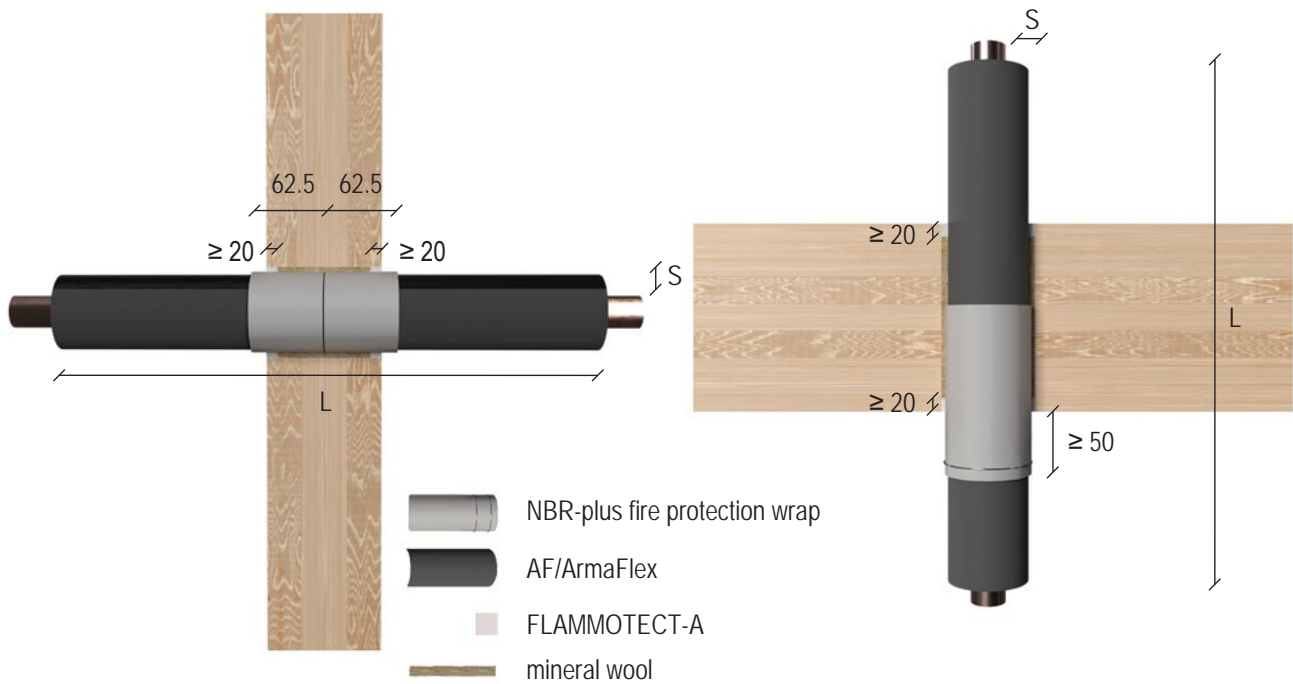


Non-combustible pipes with fire protection wrap in wall and floor seals



All specifications in mm

Wall

Wall thickness ≥ 100 mm, CLT layers: 30/40/30

Pipe material	Outer diameter [mm]	Pipe wall thickness [mm]	Insulation length L [mm]	Insulation thickness S [mm]	Fire protection wrap NBR-plus		Fire resistance class*
					Number of layers [n]	Wrap width [mm]	
Copper, steel, stainless steel, cast iron	≤ 28.0	1.8–14.2	≥ 800	9	1	2 × 62.5	EI 90 U/C
				> 9 – 19	2		
	≤ 60.0	0.6–14.2		> 9 – 21	2		EI 60 U/C / E 90 U/C
Steel, stainless steel, cast iron	≤ 110.0	1.0–14.2	entire length of pipe	23	2		EI 60 U/C / E 90 U/C

Floor

Floor thickness: ≥ 100 mm, CLT layers: 40/20/20/20/40

Pipe material	Outer diameter [mm]	Pipe wall thickness [mm]	Insulation length L [mm]	Insulation thickness S [mm]	Fire protection wrap NBR-plus		Fire resistance class*
					Number of layers [n]	Wrap width [mm]	
Copper, steel, stainless steel, cast iron	≤ 54.0	1.0–14.2	≥ 1000	9	1	1 × 125	EI 90 U/C
				> 9–21	2		
Steel, stainless steel, cast iron	≤ 54.0	1.0–14.2	entire length of pipe	9	1		
	≤ 110.0			23	2		
				0.6–14.2	1000	9–23	2

* In CLT walls and floors with the fire resistance class EI 120 these pipes can also attain EI 120 at a diameter of ≤ 42 mm.