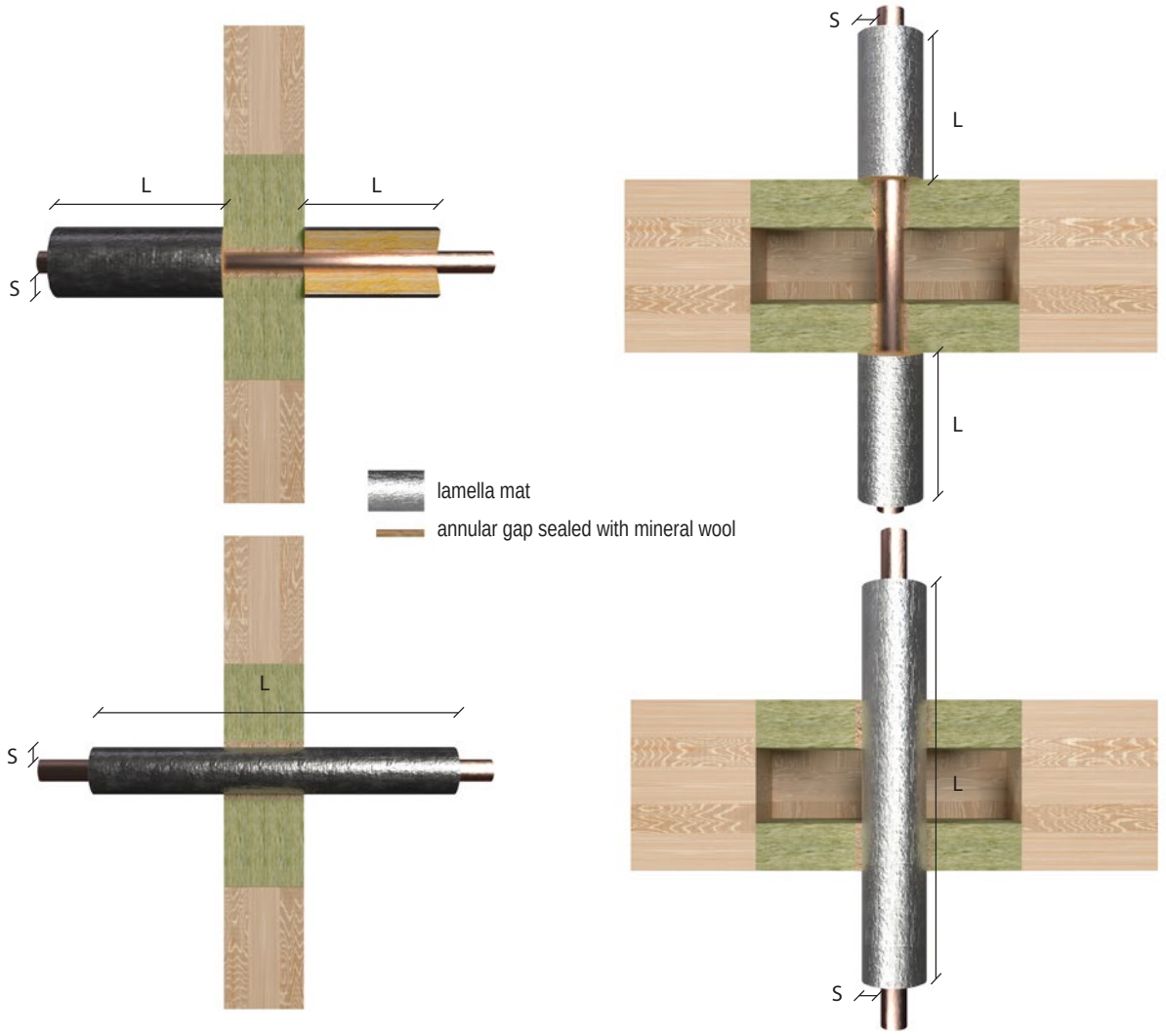
Non-combustible pipes with lamella mat in wall and floor seals



All specifications in mm

Wall

Pipe material	Outer diameter [mm]	Pipe wall thickness [mm]	Lamella mat		Fire resistance class
			Insulation length L [mm]	Insulation thickness S [mm]	
Copper, steel, stainless steel, cast iron	≤ 22.0	0.6–14.2	≥ 450 on both sides	20–100	EI 90 U/C*
			≥ 200 on both sides	30–100	
	> 22.0 – ≤ 60.0		≥ 450 on both sides	30–100	
	> 60.0 – ≤ 88.9		≥ 450 on both sides	100	
			≥ 700 on both sides	30–100	
Steel, stainless steel, cast iron	≤ 42.0	1.8–14.2	≥ 200 on both sides	30–100	EI 90 U/C**
	> 42.0 – ≤ 114.3	1.8/3.2–14.2	≥ 450 on both sides	30–100	
	> 114.3 – ≤ 159.0	3.2/4.0–14.2	≥ 1200 on both sides	100	
	> 114.3 – ≤ 219.1	3.2/4.5–14.2	≥ 1200 on both sides	30–100	

* For pipes ≤ 54 mm: installing two mineral fibre boards with a thickness of 60 mm raises the fire resistance class to EI 120.
**For pipes ≤ 114 mm: installing two mineral fibre boards with a thickness of 60 mm raises the fire resistance class to EI 120.

Floor					
Pipe material	Outer diameter [mm]	Pipe wall thickness [mm]	Lamella mat		Fire resistance class
			Insulation length L [mm]	Insulation thickness S [mm]	
Copper, steel, stainless steel, cast iron	≤ 22.0	0.6–14.2	≥ 425.0 on both sides	20–100	EI 90 U/C
			≥ 175.0 on both sides	30–100	
	> 22.0 – ≤ 42.0		≥ 425.0 on both sides	30–100	
	> 42.0 – ≤ 88.9		≥ 675.0 on both sides	30–100	EI 90 U/C
Steel, stainless steel, cast iron	≤ 42.0	1.8–14.2	≥ 425.0 on both sides	30–100	EI 90 U/C
	> 42.0 – ≤ 114.3		≥ 1175.0 on both sides	30–100	
	> 114.3 – ≤ 159.0		≥ 1175.0 on both sides	30–100	
	> 114.3 – ≤ 219.1		≥ 1175.0 on both sides	30	EI 90 U/C
	> 114.3 – ≤ 219.1		≥ 1175.0 on both sides	30–100	EI 90 U/C