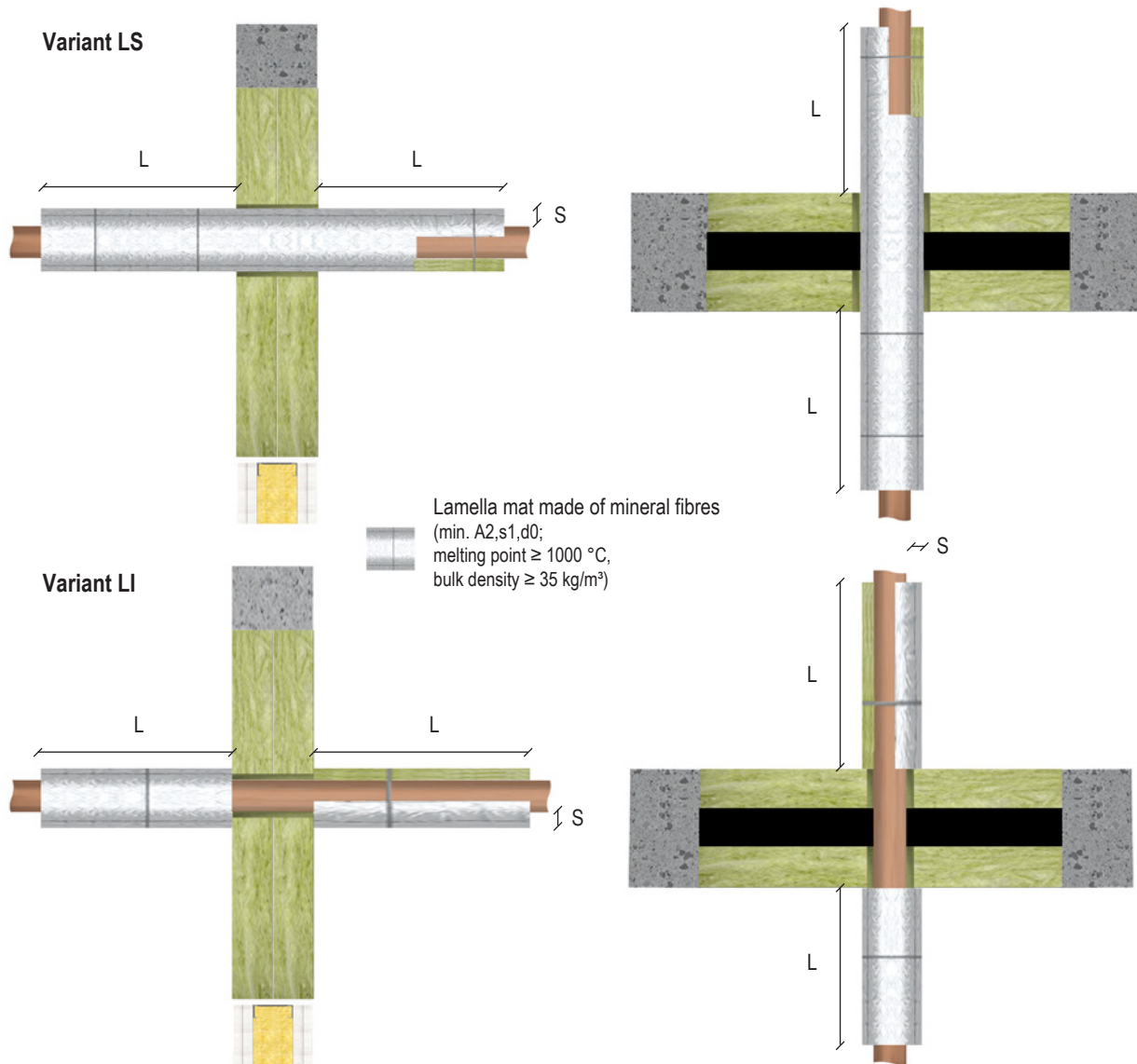


System Flammotect 2 × 50 mm

8.7 Non-combustible pipes

8.7.1 Design with lamella mat

Design for wall and floor penetration seals



For building element and seal thicknesses see page 9. For design variants see page 15.

System Flammotect 2 × 50 mm

Wall				
Service		Mineral fibre lamella mat		Fire resistance class
Pipe outer Ø [mm]	Pipe wall thickness [mm]	Length L [mm]	Thickness S [mm]	
Copper, steel, stainless steel or cast iron				
≤ 22.0	0.6–14.2	≥ 450 on both sides	20–100	EI 120 U/C
> 22.0 – ≤ 60.0		≥ 200 on both sides	30–100	EI 120 U/C
> 60.0 – ≤ 88.9		≥ 450 on both sides	30–100	EI 120 U/C
Steel, stainless steel or cast iron				
≤ 42.0	1.8–14.2	≥ 200 on both sides	30–100	EI 120 U/C
> 42.0 – ≤ 114.3	1.8/3.2–14.2	≥ 450 on both sides	30–100	EI 120 U/C
> 114.3 – ≤ 159.0	3.2/4.0–14.2	≥ 1200 on both sides	100	EI 120 U/C
> 114.3 – ≤ 219.1	3.2/4.5–14.2	≥ 1200 on both sides	30–100	EI 90 U/C

Floor				
Service		Mineral fibre lamella mat		Fire resistance class
Pipe outer Ø [mm]	Pipe wall thickness [mm]	Length L [mm]	Thickness S [mm]	
Copper, steel, stainless steel or cast iron				
≤ 22.0	0.6–14.2	≥ 425 on both sides	20–100	EI 120 U/C
> 22.0 – ≤ 42.0		≥ 175 on both sides	30–100	EI 120 U/C
		≥ 425 on both sides	30–100	EI 120 U/C
		> 42.0 – ≤ 88.9	≥ 675 on both sides	30–100
Steel, stainless steel or cast iron				
≤ 42.0	1.8–14.2	≥ 125 on both sides	30–100	EI 120 U/C
> 42.0 – ≤ 114.3	1.8/3.2–14.2	≥ 425 on both sides	30–100	EI 120 U/C
> 114.3 – ≤ 159.0	3.2/4.0–14.2	≥ 1175 on both sides	30–100	EI 120 U/C
> 114.3 – ≤ 219.1	3.2/4.5–14.2	≥ 1175 on both sides	30	EI 120 U/C
		≥ 1175 on both sides	30–100	EI 90 U/C