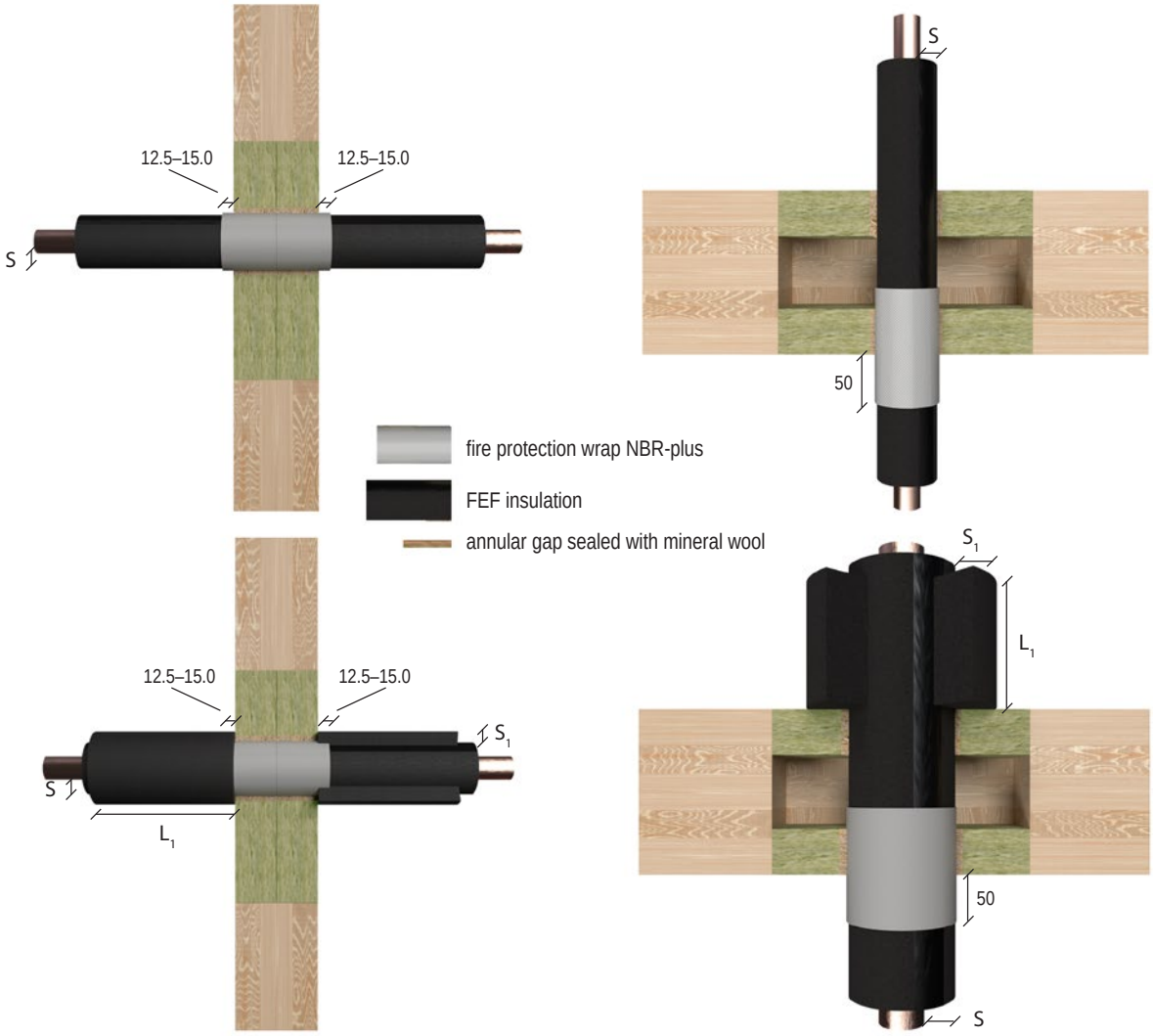
Non-combustible pipes with fire protection wrap in wall and floor seals



All specifications in mm

Wall												
Pipe material	**Outer diameter [mm]**	**Pipe wall thickness [mm]**	**Section insulation**		**Protective insulation**		**Fire protection wrap NBR-plus**					**Fire resistance class**
			Length	**Thickness S [mm]**	**Length L_1 [mm]**	**Thickness S_1 [mm]**	**Wrap width [mm]**	**Number of wraps [n]**	**Inside seal [mm]**	**Outside seal [mm]**	**Number of layers [n]**	
Copper, steel, stainless steel, cast iron	≤ 15.0	0.8–14.2	CS	10.0	–	–	62.5	2	50	15.5	1	**EI 90 U/C***
	> 15.0 – ≤ 54.0			19.0–38.0	–	–					2	
	> 54.0 – ≤ 88.9			25.0	–	–					2	
	≤ 42.0			10.0	–	–					1	
	> 42.0 – ≤ 88.9			19.0–38.0	–	–					2	EI 90 U/C
Steel, stainless steel, cast iron	≤ 15.0			10.0–38.0	–	–					2	
	> 15.0 – ≤ 88.9			19.0–38.0	–	–					2	
	> 88.9 – ≤ 114.3			19.0–38.0	250	19					2	
	> 114.3 – ≤ 159.0			25.0–38.0	250	19					2	
	> 159.0 – ≤ 219.1			25.0–38.0	600	38					2	

Floor												
Pipe material	**Outer diameter [mm]**	**Pipe wall thickness [mm]**	**Section insulation**		**Protective insulation**		**Fire protection wrap NBR-plus**					**Fire resistance class**
			Length	**Thickness S [mm]**	**Length L_1 [mm]**	**Thickness S_1 [mm]**	**Wrap width [mm]**	**Number of wraps [n]**	**Inside seal [mm]**	**Outside seal [mm]**	**Number of layers [n]**	
Copper, steel, stainless steel, cast iron	≤ 60.0	0.6–14.2	CS	13.0–40.0	–	–	125	1	75	50	2	EI 90 U/C
	> 60.0 – ≤ 88.9			25.0	–	–					2	
	≤ 42.0			10.0	–	–					1	**EI 90 U/C***
	≤ 42.0			9.0–40.0	–	–					2	
	> 42.0 – ≤ 60.0			13.0–40.0	–	–					2	EI 90 U/C
	> 60.0 – ≤ 88.9			19.0–38.0	–	–					2	
Steel, stainless steel, cast iron	≤ 159.0			25.0–38.0	250	25					2	
	> 159.0 – ≤ 219.1			25.0–38.0	250	38					2	

* Installing two mineral fibre boards with a thickness of 60 mm raises the fire resistance class to EI 120.