

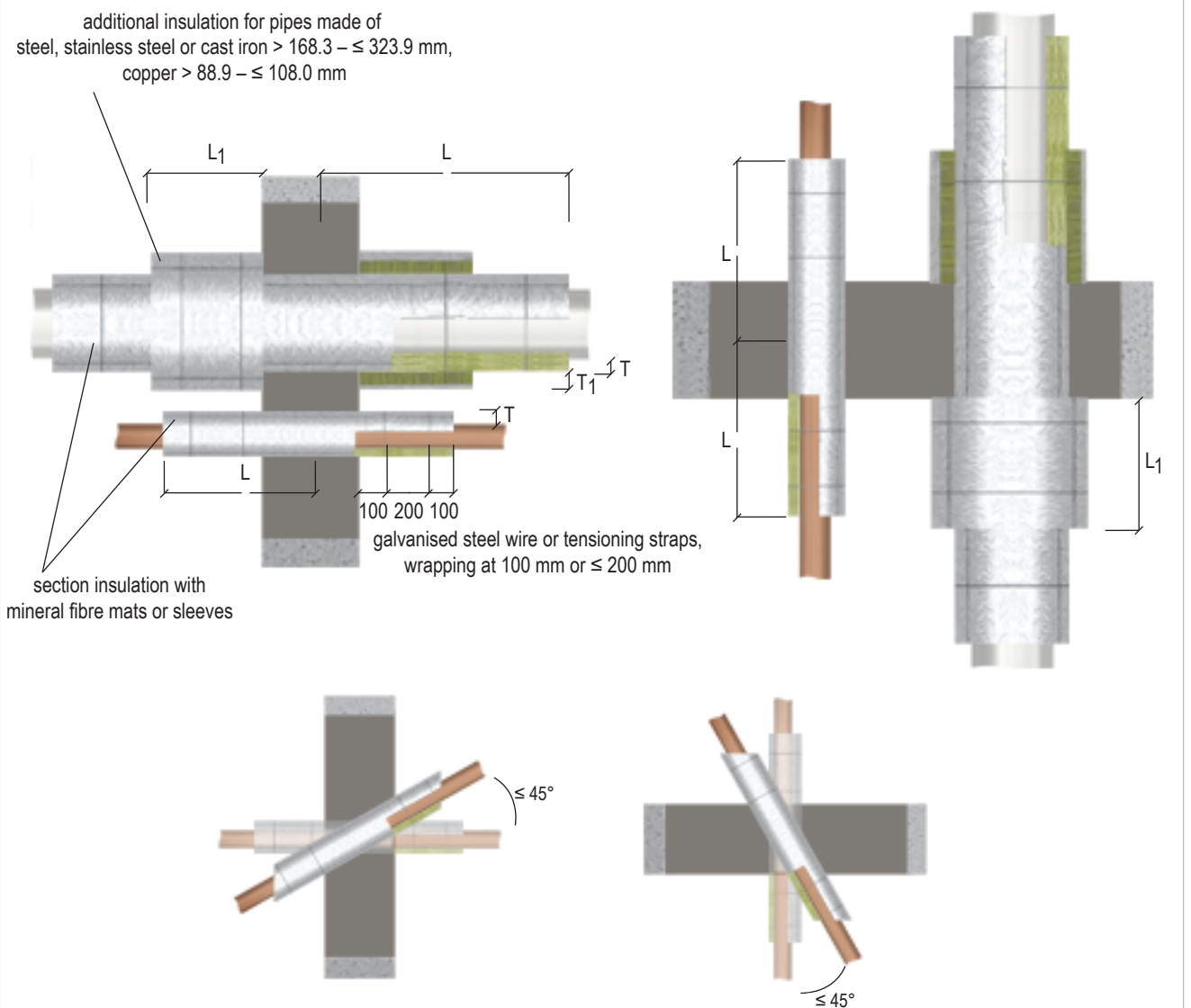
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8.6 Non-combustible pipes

8.6.1 Section insulation made of lamella mat Klimarock or mineral fibre sleeves Conlit 150U

- Non-combustible pipes require section insulation, for example with mineral fibre mats. Depending on pipe wall thickness and outer diameter, an additional protective insulation with mineral fibre mats may be necessary.
- The insulation must be fastened to the pipe with tensioning straps or wire.
- In floor installations appropriate measures must be taken to prevent the insulation from slipping.
- Pipes can be installed at angles of 45–90° to the surface of the building element.

Design for wall and floor penetration seals



For thicknesses and design variants, see page 29

All specifications in mm

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Design with lamella mat Klimarock in wall and floor					
Pipe material	Outer Ø [mm]	Insulation length L [mm]	Insulation thickness T [mm]	Fire resistance class	
				Wall	Floor
Copper	Ø ≤ 15.0	≥ 250	≥ 20	EI 120 C/U	
	Ø > 15.0 – ≤ 28.0	≥ 500	≥ 20		
	Ø > 28.0 – ≤ 42.0		≥ 30		
	Ø > 42.0 – ≤ 54.0		≥ 40		
	Ø > 54.0 – ≤ 88.9	≥ 750	≥ 60		
	Ø > 88.9 – ≤ 108.0*	≥ 1000	≥ 30		
Steel, stainless steel, cast iron	Ø ≤ 15.0	≥ 250	≥ 20	EI 120 C/U	
	Ø > 15.0 – ≤ 28.0	≥ 500	≥ 20		
	Ø > 28.0 – ≤ 42.0		≥ 30		
	Ø > 42.0 – ≤ 114.3		≥ 1000		
	Ø > 114.3 – ≤ 168.3	≥ 40			
	Ø > 168.3 – ≤ 323.9*	≥ 40			

* additional protective insulation with mineral fibre mat (L₁ ≥ 500 mm × T₁ ≥ 30 mm)

Design with mineral fibre sleeves Conlit 150U in wall and floor					
Pipe material	Outer Ø [mm]	Insulation length L [mm]	Insulation thickness T [mm]	Fire resistance class	
				Wall	Floor
Copper	Ø ≤ 15.0	≥ 250	≥ 20	EI 120 C/U	EI 120 C/U
	Ø > 15.0 – ≤ 28.0	≥ 500	≥ 20		-
	Ø > 28.0 – ≤ 42.0		≥ 30	EI 120 C/U	
	Ø > 42.0 – ≤ 54.0		≥ 40		
	Ø > 54.0 – ≤ 108.0	≥ 750	≥ 60		
Steel, stainless steel, cast iron	Ø ≤ 15.0	≥ 250	≥ 22.5	EI 120 C/U	EI 120 C/U
	Ø > 15.0 – ≤ 28.0	≥ 500	≥ 26		
	Ø > 15.0 – ≤ 42.0		≥ 19		
	Ø > 28.0 – ≤ 54.0		≥ 38		
	Ø > 54.0 – ≤ 114.3	≥ 750	≥ 33		
	Ø > 114.3 – ≤ 168.3	≥ 1000	≥ 40	EI 120 C/U	
	Ø > 168.3 – ≤ 323.9*				

* additional protective insulation with mineral fibre mat (L₁ ≥ 500 mm × T₁ ≥ 40 mm)