System Flammotect 2 × 50 mm
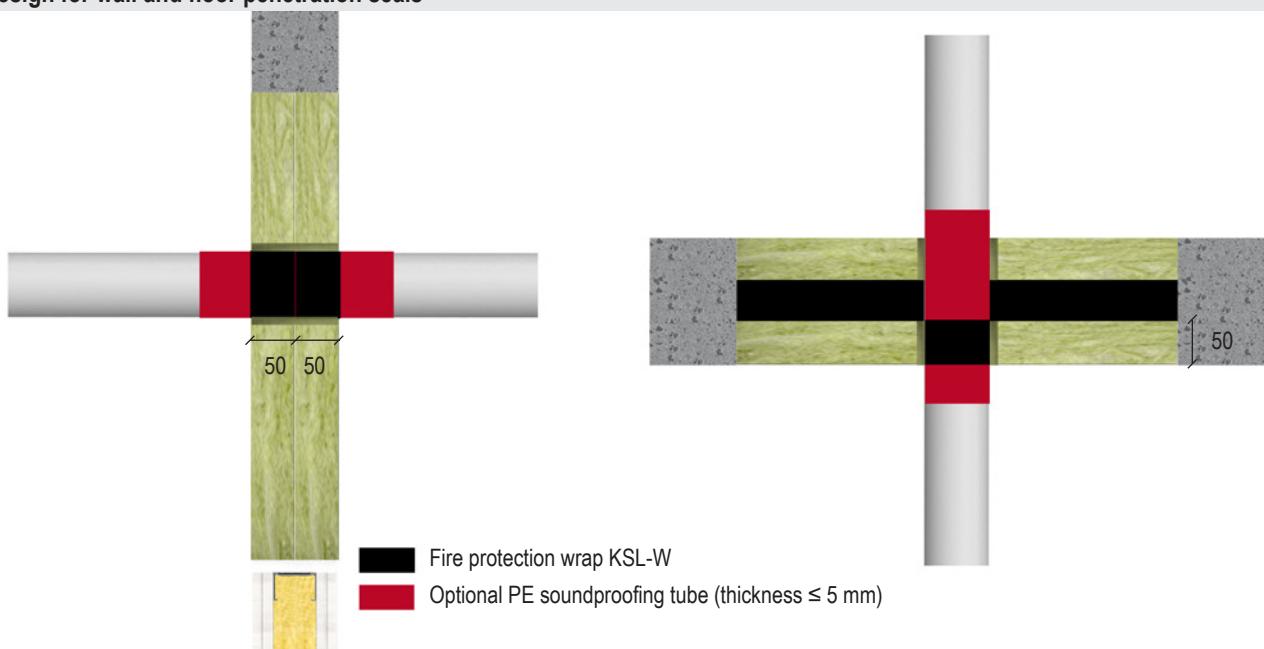
8.5.4 Design with fire protection wrap KSL-W

Design for wall and floor penetration seals

50 50

50

■ Fire protection wrap KSL-W
■ Optional PE soundproofing tube (thickness ≤ 5 mm)

For building element and seal thicknesses see page 9. For design variants see page 15.   All specifications in mm

Pipe outer Ø [mm]	Pipe wall thickness [mm]	Fire protection wrap KSL-W		Fire resistance class	
		Number of wraps × layers			
		Wall	Floor	Wall	Floor
PVC-U, PVC-C					
32–50	1.8–5.6	2 × 2 layers	1 × 2 layers	**EI 120 U/U**	**EI 120 U/U**
63–110	1.8–12.3	2 × 4 layers	1 × 4 layers	**EI 120 U/U**	**EI 120 U/U**
PE-HD, ABS, SAN+PVC					
32–50	1.8–4.6	2 × 2 layers	1 × 2 layers	**EI 120 U/U**	**EI 120 U/U**
63–110	1.8–10.0	2 × 4 layers	1 × 4 layers	**EI 120 U/U**	**EI 120 U/U**
PP					
32–50	1.8–4.6	2 × 2 layers	1 × 2 layers	**EI 120 U/U**	**EI 120 U/U**
63–110	1.8–10.0	2 × 4 layers	1 × 4 layers	**EI 120 U/U**	**EI 120 U/U**

System Flammotect 2 × 50 mm

Pipe outer Ø [mm]	Fire protection wrap KSL-W		Fire resistance class	
	Number of wraps × layers			
	Wall	Floor	Wall	Floor
Geberit Silent-PP				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
Geberit Silent-Pro				
≤ 75.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
Geberit Silent-db20				
≤ 56.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
KE KELIT PHONEX AS				
≤ 56.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
Pipelife MASTER 3				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
POLO-KAL NG / POLO-KAL XS				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
REHAU RAUPIANO LIGHT				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
REHAU RAUPIANO PLUS				
≤ 50.0	2 × 2 layers	–	EI 120 U/U	–
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
REHAU RAUSILENTO				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
CONEL DRAIN				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
Wavin SiTech+				
≤ 50.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 120 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
GF Silenta Premium				
≤ 58.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 90 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U
Hakan Silenta Premium				
≤ 58.0	2 × 2 layers	1 × 2 layers	EI 120 U/U	EI 90 U/U
≤ 110.0	2 × 4 layers	1 × 4 layers	EI 120 U/U	EI 120 U/U