



PP-MD classification ≤ Ø160 mm

Fire performances are valid for range of dØ pipe diameter + s1 pipe thickness within the same pipe material:
PP-MD acc. EN norms
 dØ 32 up to 160 mm
 s1 1.8 up to 5.4 mm
 pipe brands eg Uponor, Poloplast, Rehau, Geberit, Pipelife
 acoustical damper brands eg Uponor Bottom Bend

dØ	s1	configuration	construct. type
PP-MD Ø32 t/m Ø160	1,8 up to 5,4 mm		flexible + rigid walls + rigid floors
	Ø 32 x 1,8		
	Ø 50 x 2,0		
	Ø 75 x 2,6	+ pipe socket	
	Ø 110 x 3,8	+ acoustical damper	
	Ø 160 x 5,4	+ pipe socket	

- 1: flexible wall ≥100mm
- 2: rigid wall ≥100mm
- 3: rigid wall ≥150mm
- 5: rigid floor ≥150mm

suitable Firetect products within classification:

Graphite sealant DoP CPR-14/0273		FMU collar DoP CPR-14/0251		Wrap DoP CPR-14/0251	
walls	floors	walls	floors	walls	floors
EI 120 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5	EI 120 in wall 1+2 EI 240 in wall 3 collar Ø40	EI 240 in floor 5 collar Ø40	EI 120 in wall 1+2 EI 180 in wall 3 1 layer	EI 180 in floor 5 2 layer
EI 90 in wall 1+2 EI 180 in wall 3	EI 180 in floor 5	EI 120 in wall 1+2 EI 180 in wall 3 collar Ø50	EI 180 in floor 5 collar Ø50	EI 120 in wall 1+2 EI 240 in wall 3 1 layer	EI 240 in floor 5 1 layer
EI 60 in wall 1+2 EI 240 in wall 3	EI 240 in floor 5	EI 120 in wall 1+2 EI 240 in wall 3 collar Ø75	EI 240 in floor 5 collar Ø75	EI 120 in wall 1+2 EI 240 in wall 3 1 layer	EI 240 in floor 5 1 layer
EI 60 in wall 1+2+3	EI 60 in floor 5	EI 120 in wall 1+2+3 collar Ø110	EI 120 in floor 5 collar Ø110	EI 120 in wall 1+2+3 2 layer	EI 240 in floor 5 2 layer
		EI 60 in wall 1+2+3 collar Ø140	EI 240 in floor 5 collar Ø140	EI 90 in wall 1+2+3 3 layer	
			EI 180 in floor 5 collar Ø110 in FR mortar or PA board		
		EI 60 in wall 1+2+3 collar Ø160	EI 180 in floor 5 collar Ø160		EI 240 in floor 5 3 layer
		EI 60 in wall 1+2+3 collar Ø200			

joint details: min. W x D, default:
 walls: 10 x 25 mm, apply on 2 sides
 floors: 15 x 25 mm, apply on 2 sides

default:
 walls: apply on 2 sides
 floors: apply on 1 side
 always apply smoke seal Acrylic sealant on 2 sides

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 walls: apply on 2 sides
 floors: apply on 1 side
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supporting construction

Constructive element must be classified acc. EN 13501-2 for the required fire resistance period.

Max. opening in constructive element:
 see principle detail.
 Use PA board if opening is larger, see how-to-read.

Penetration services must be supported;
 support distance walls max. 500mm
 support distance floors max. 400mm

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