



**PE + PP + PVC classification ≤ Ø250 mm**

Fire performances are valid for range of dØ pipe diameter + s1 pipe thickness within the same pipe material:  
**PE + PP + PVC acc. EN norms**  
dØ up to 250 mm  
s1 up to 22,7 mm  
pipe brands eg Pipelife, Agru, Dyka, Wavin

dØ	s1	pipe insulation	construct. type
up to Ø110	2,7 up to 10,0 mm	non-insulated	flexible + rigid walls + rigid floors
	PE 3,4 up to 10,0		
	PP 2,7 up to 6,3		
	PVC 2,7 up to 10,0		
Ø125	3,1 up to 11,7 mm	non-insulated	
	PE 3,9 up to 11,7		
	PP 3,1 up to 7,1 PVC 3,1 up to 11,7		
Ø140 - Ø160	4,0 up to 14,6 mm	non-insulated	
	PE 4,9 up to 14,6		
	PP 4,0 up to 14,6 PVC 4,0 up to 14,6		
Ø200	4,9 up to 18,2 mm	non-insulated	
	PE 6,2 up to 18,2		
	PP 4,9 up to 18,2 PVC 4,9 up to 18,2		
Ø250	6,2 up to 22,7 mm	non-insulated	
	PE 9,6 up to 22,7		
	PP 6,2 up to 22,7 PVC 6,2 up to 22,7		

- 1: flexible wall ≥100mm
- 2: rigid wall ≥100mm
- 3: rigid wall ≥150mm
- 4: flexible ceiling ≥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 90 in wall 1+2+3	EI 90 in floor 5	EI 60 in wall 1+2+3 also on <b>PA board</b> : screwed on or cast-in collar Ø40 up to Ø110	EI 120 in ceiling 4 EI 120 in floor 5 also on <b>PA board</b> : screwed on or cast-in collar Ø40 up to Ø110	EI 120 in wall 1+2+3 2 layer	EI 180 in floor 5 2 layer
		EI 60 in wall 1+2+3 collar Ø125		EI 60 in wall 1+2+3 2 layer	EI 180 in floor 5 3 layer
		EI 60 in wall 1+2+3 collar Ø140 or Ø160	EI 90 in floor 5 collar Ø140 or Ø160		EI 180 in floor 5 3 layer
		EI 60 in wall 1+2+3 collar Ø200			
		EI 60 in wall 1+2+3 also in <b>PA board</b> collar Ø250			
up to <b>Ø400mm</b> with FMU					
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		default: walls: apply on 2 sides floors: apply on 1 side always apply smoke seal Acrylic sealant on 2 sides	

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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\* Alternatively, use Acrylic sealant or PA sealer for pipes ≤ Ø50mm; see [individual results](#).

NOTE:

CONDUITS: see

**PLASTIC CABLE CONDUITS**