



**PP-R classification ≤ Ø110 mm**

Fire performances are valid for range of dØ pipe diameter + s1 pipe thickness within the same pipe material:

**PP-R acc. EN norms**

dØ 40 up to 110 mm  
s1 3,7 up to 15,1 mm

pipe brands eg Aquatherm, Aquatechnik, Wavin Pilsa

**suitable Firetect products within classification:**

**Graphite sealant**

DoP CPR-14/0273

**FMU collar**

DoP CPR-14/0251

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

dØ s1 pipe insulation construct. type

**PP-R Ø40 t/m Ø110**

**flexible + rigid walls + rigid floors**

non-insulated

3,7 up to 15,1 mm

Ø 40 x 3,7  
up to s1 5,5

Ø 63 x 5,8  
up to s1 8,6

Ø 75 x 6,8  
up to s1 10,3

Ø 110 x 10,0  
up to s1 15,1

walls

floors

walls

floors

[EI 120 in wall 1+2](#)

[EI 240 in floor 5](#)

[EI 240 in wall 3](#)

[EI 240 in floor 5](#)

[EI 120 in wall 1+2](#)

[EI 240 in floor 5](#)

[EI 60 in wall 1+2](#)

[EI 180 in floor 5](#)

[EI 180 in wall 3](#)

collar Ø40

collar Ø40

[EI 120 in wall 1+2](#)

[EI 240 in floor 5](#)

[EI 180 in wall 3](#)

[EI 180 in floor 5](#)

[EI 90 in wall 1+2](#)

[EI 120 in floor 5](#)

[EI 90 in wall 1+2](#)

[EI 120 in floor 5](#)

[EI 120 in wall 3](#)

collar Ø63

collar Ø63

[EI 120 in wall 1+2](#)

[EI 240 in floor 5](#)

[EI 180 in wall 3](#)

[EI 180 in floor 5](#)

[EI 90 in wall 1+2](#)

[EI 120 in floor 5](#)

[EI 90 in wall 1+2](#)

[EI 120 in floor 5](#)

[EI 120 in wall 3](#)

collar Ø75

collar Ø75

[EI 120 in wall 1+2+3](#)

[EI 180 in floor 5](#)

[EI 60 in wall 1+2+3](#)

[EI 90 in floor 5](#)

[EI 60 in wall 1+2+3](#)

[EI 90 in floor 5](#)

[EI 60 in wall 1+2+3](#)

[EI 120 in floor 5](#)

collar Ø110

collar Ø110

joint details: min. W x D, default:

walls: 10 x 40 mm, apply on 2 sides

floors: 15 x 40mm, apply on 2 sides

default:

walls: apply on 2 sides

floors: apply on 1 side

always apply smoke seal Acrylic sealant on 2 sides

1: flexible wall ≥100mm

2: rigid wall ≥100mm

3: rigid wall ≥150mm

5: rigid floor ≥150mm

[▶ INDEX](#)

[PE + PP + PVC](#)

[plastic cable conduits](#)

**PP-R**

[PP-MD](#)

[aluPE-X](#)

[PE-Xa](#)

[copper](#)

[steel](#)

[steel conduits](#)

[trays + ladders + wire mesh](#)

[cables + bundles](#)

[fire dampers](#)

[air transfer grilles](#)

[duct cladding](#)

[linear joints](#)

[socket boxes](#)

[how-to-read](#)

[acoustical](#)

[environmental](#)