



PP-MD pipes

pipe Ø (mm)	pipe type	pipe thickness (mm)	construct. type
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individual test results ≤ Ø160 mm

pipe Ø (mm)	pipe type	pipe thickness (mm)	construct. type
≤ Ø160	PP-MD (2,0 up to 5,4)		1+2+3+5
	Ø 50	2,0 mm	
	Ø 75	2,6 mm	
	Ø 110	3,8 mm	
Ø 160	5,4 mm		

pipe Ø (mm)	pipe type	pipe thickness (mm)	construct. type
≤ Ø160 + pipe sockets	PP-MD (2,0 up to 5,4)		1+2+3+5
	Ø 50	2,0 mm	
	Ø 75	2,6 mm	
	Ø 110	3,8 mm	
Ø 160	5,4 mm		

pipe sockets on 2 sides (walls) or 1 side (floors)

test results Ø110 mm + acoustical damper

pipe Ø (mm)	pipe type	pipe thickness (mm)	construct. type
+ damper	PP-MD (3,8)		5
	Ø 110 + Uponor Bottom Bend 110		
	Ø 110 + Uponor Bottom Bend 110 in PA board		

Graphite DoP CPR-14/0273		or	FMU collar DoP CPR-14/0251		or	Wrap DoP CPR-14/0251	
walls	floors		walls	floors		walls	floors
EI 90 U/C joint 10x25mm	EI 180 U/C joint 15x25mm		EI 120 U/C	EI 180 U/C		EI 120 U/C Wrap: 1 layer	EI 240 U/C Wrap: 1 layer
EI 240 U/C in wall 3	EI 240 U/C joint 15x25mm		EI 240 U/C in wall 3	EI 240 U/C		EI 240 U/C in wall 3	EI 240 U/C Wrap: 1 layer
EI 60 U/C joint 10x25mm	EI 60 U/C joint 15x25mm		EI 120 U/C	EI 120 U/C		EI 120 U/C Wrap: 2 layers	EI 240 U/C Wrap: 2 layers
			EI 60 U/C	EI 180 U/C			
			EI 60 U/C collar Ø140	EI 240 U/C collar Ø140		EI 90 U/C Wrap: 3 layers	
			EI 60 U/C collar Ø160				

in FR mortar:
[EI 180 U/C](#)
exposed side

opening in supporting construction

max. opening (mm)	FR mortar DoP CPR-14/0260	or	PA board DoP CPR-14/0260
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graphite in walls: pipe Ø + 20mm
graphite in floors: pipe Ø + 30mm

collar: pipe Ø

wrap: pipe Ø + 5mm per layer

graphite in walls: pipe Ø + 20mm
graphite in floors: pipe Ø + 30mm

collar: pipe Ø

wrap: pipe Ø + 5mm per layer

Ø202

FR mortar
150mm

250x250

FR mortar
50mm

in PA board:
[EI 180 U/C](#)
1x 50mm 2S
unexposed side

- 1 walls: metal stud ≥100mm
- 2 walls: blockwork ≥100mm
- 3 walls: blockwork ≥150mm
- 5 floors: aerated concrete ≥150mm

mastic: apply on **2 sides**, also in floors!
joint details: min. W x D in mm

collar + wrap: apply with smoke seal Acrylic on **2 sides**, also in floors!

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