

System AWM II

Sealing system with fire protection collar for insulated and non-insulated combustible pipes



Services

Pipes	max. Ø
PVC-U, PE-HD	≤ 400
PP	≤ 315
POLOPLAST POLO-KAL 3S POLOPLAST POLO-KAL NG POLOPLAST POLO-KAL XS Geberit Silent-PP Geberit Silent-Pro Geberit Silent-dB20 REHAU RAUPIANO LIGHT REHAU RAUPIANO PLUS REHAU RAUSILENTO CONEL DRAIN GF Silenta Premium Hakan Silenta Premium Wavin AS Wavin AS+ Wavin SiTech Wavin SiTech+ Pipelife MASTER 3 Pipelife MASTER 3+ SANHA MASTER 3 KE KELIT PHONEX AS Valsir Triplus	≤ 160
Coes BluePower Ostendorf Skolan dB	≤ 110
Pellet delivery hoses PVC-Cu, PUR-Cu	≤ 60
GF COOL-FIT 2.0 /2.0F	≤ 140/200
GF COOL-FIT 4.0	≤ 355/500
GF COOL-FIT 4.0F	≤ 225/315
aquatherm blue aquatherm green	≤ 355

All specifications in mm

Fire resistance class

max. EI 120 U/U in acc. with EN 13501-2

Areas of application

- plasterboard wall, solid wall, solid floor

Benefits

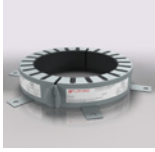
- compact fire protection collar for easy installation
- quick installation thanks to a locking system with integrated size adjustment mechanism
- sealing of combustible pipes up to an outer diameter 400 mm
- great variety of tested drainage and supply lines, pipe end configurations U/U and U/C.
- pipes optionally insulated with PE soundproofing tubes or FEF insulation
- resistant to humidity, freeze-thaw cycles and UV radiation (use category X)

System data

Certificate of usability		ETA-17/0753
Thickness of structural element	Wall	≥ 100 mm
	Floor	≥ 150 mm

System AWM II

Included products

 AWM II Fire protection collar Ø 32 mm – Ø 500 mm					
Dimensions [mm]	Inner Ø collar [mm]	Outer Ø collar [mm]	Overall height [mm]	Number of tabs [n]	Art. no.
32	36–40	50–54	26.0	2	01142032
40	44–48	58–62	26.0	2	01142040
50	54–57	68–71	26.0	2	01142050
63	67–70	94–97	26.0	4	01142063
75	79–83	106–110	26.0	4	01142075
90	94–100	132–138	26.6	4	01142090
110	114–120	155–161	26.6	4	01142110
125	129–135	172–178	40.0	4	01142125
140	144–152	200–206	40.0	6	01142140
160	164–169	220–225	40.0	6	01142160
180	184	264	40.0	8	01142180
200	204	284	40.0	8	01142200
225 MAX	239	328	51.5	10	01142225
250 MAX	264	353	51.5	10	01142250
280 MAX	289	378	51.5	12	01142280
300 MAX	314	403	51.5	12	01142300
315 MAX	328	417	51.5	12	01142315
355 MAX	370	459	51.5	12	01142355
400 MAX	415	504	51.5	12	01142400
450 MAX	465	554	51.5	14	01142450
500 MAX	515	604	51.5	14	01142500


BMK
Filler

0.4 kg cartridge – Art. no. 30004


GFM
Fire protection mortar

 Fibre-free ready-mix dry mortar M20 / MG III
 in accordance with EN 998-2
 25 kg bag – Art. no. 01167000

Label

1 piece – Art. no. 14003


FLAMMOTECT-A
Filler

 5 kg pail – Art. no. 01155135
 12.5 kg pail – Art. no. 01155134
 310 ml cartridge – Art. no. 01155115
 600 ml flow pack – Art. no. 01155153

General sealing material

Dimensionally stable, non-combustible (class A1 or A2-s1,d0 in acc. with EN 13501-1) material such as concrete, cement mortar, gypsum mortar


Mineral wool A1

 Class of reaction to fire in acc. with EN 13501-1: A1
 Melting point ≥ 1000 °C
 10 kg bag – Art. no. 01183000

System AWM II

Design

	Straight penetration		Diagonal penetration
	Application on 2× 45° bends and straight pipe sleeves		Two pipe systems
	Pipes with FEF insulation or soundproofing tube		

Initial supports


Services	Wall	Floor
Combustible pipes	≤ 500 mm	≤ 650 mm

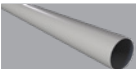
Design variants (fire resistance class EI 90)

The fire protection collar is installed on both sides of walls and on the lower side of floors.

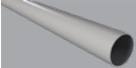
Pipe material/type	Max. outer Ø [mm]	AWM II	
		Plasterboard wall / solid wall (≥ 100 mm)	Solid floor (≥ 150 mm)
PVC	≤ 160	✓	✓
PE-HD	≤ 160	✓	✓
PP	≤ 160	✓	✓
POLOPLAST POLO-KAL NG	≤ 110	✓	✓
	≤ 160	–	✓
POLOPLAST POLO-KAL XS	≤ 110	✓	✓
	≤ 160	–	✓
Geberit Silent-PP	≤ 110	✓	✓
	≤ 160	✓	✓ (EI 60 U/U)
Geberit Silent-Pro	≤ 160	✓	✓
Geberit Silent-db20	≤ 160	✓	–
GF Silenta Premium	≤ 160	✓	✓
Wavin SiTech+	≤ 160	✓	✓
REHAU RAUPIANO LIGHT	≤ 110	✓	✓
	≤ 160	✓	–

System AWM II

 Combustible pipes (pipe end configuration U/U, U/C, C/U, C/C)			
Pipe material/type	Max. outer Ø [mm]	AWM II	
		Plasterboard wall / solid wall (≥ 100 mm)	Solid floor (≥ 150 mm)
REHAU RAUPIANO PLUS	≤ 160	✓	–
CONEL DRAIN	≤ 110	✓	✓
	≤ 160	✓	–
Pipelife MASTER 3 PLUS	≤ 160	✓	–
KE KELIT PHONEX AS	≤ 160	✓	–
Wavin AS	≤ 160	✓	–
Valsir Triplus	≤ 50	✓	✓
	≤ 160	✓	–

 Combustible pipes (pipe end configuration U/C, C/C)			
Pipe material/type	Max. outer Ø [mm]	AWM II	
		Plasterboard wall / solid wall (≥ 100 mm)	Solid floor (≥ 150 mm)
PVC	≤ 160	✓	✓
	≤ 200	✓ (solid wall ≥ 100 mm)	✓
	≤ 400	✓ (solid wall ≥ 300 mm)	✓ (solid floor ≥ 300 mm)
PE-HD	≤ 160	✓	✓
	≤ 200	✓ (solid wall ≥ 100 mm)	✓
	≤ 400	✓ (solid wall ≥ 300 mm)	✓ (solid floor ≥ 300 mm)
PP	≤ 160	✓	✓
	≤ 200	✓ (solid wall ≥ 100 mm)	✓
	≤ 315	–	✓ (solid floor ≥ 300 mm)
POLOPLAST POLO-KAL 3S	≤ 110	✓	✓
	≤ 125	✓	–
	≤ 160	✓ (EI 60 U/C)	–
POLOPLAST POLO-KAL NG	≤ 110	✓	✓
	≤ 160	–	✓
POLOPLAST POLO-KAL XS	≤ 110	✓	✓
	≤ 160	–	✓
Geberit Silent-PP	≤ 160	✓	✓
Geberit Silent-Pro	≤ 160	✓	✓
Geberit Silent-db20	≤ 160	✓	–

System AWM II

 Combustible pipes (pipe end configuration U/C, C/C)			
Pipe material/type	Max. outer Ø [mm]	AWM II	
		Plasterboard wall / solid wall (≥ 100 mm)	Solid floor (≥ 150 mm)
GF Silenta Premium	≤ 160	✓	✓
Wavin SiTech+	≤ 160	✓	✓
REHAU RAUPIANO LIGHT	≤ 110	✓	✓
	≤ 160	✓	-
REHAU RAUPIANO PLUS	≤ 160	✓	✓
CONEL DRAIN	≤ 110	✓	✓
	≤ 160	✓	-
Pipelife MASTER 3 PLUS	≤ 160	✓	-
KE KELIT PHONEX AS	≤ 160	✓	-
Wavin AS	≤ 160	✓	-
Valsir Triplus	≤ 50	✓	✓
	≤ 160	✓	-
Coes BluePower	≤ 50	✓	-
Ostendorf Skolan dB	≤ 110	-	✓
Pellet hose PVC-Cu	≤ 60	✓	✓
Pellet hose PUR-Cu	≤ 60	✓	✓
GF COOL-FIT 2.0 /2.0F	≤140/200	✓	✓
GF COOL-FIT 4.0	≤ 110/180	✓	✓
	≤ 160/250	✓ (solid wall ≥ 240 mm)	✓
	≤ 355/500	✓ (solid wall ≥ 300 mm)	✓
GF COOL-FIT 4.0F	≤ 63/110	✓	✓
	≤ 225/315	✓ (solid wall ≥ 240 mm)	✓
aquatherm blue	≤ 200	✓	✓
	≤ 315	✓ (solid wall ≥ 240 mm)	✓ (solid floor ≥ 200 mm)
	≤ 355	✓ (solid wall ≥ 240 mm)	-
aquatherm green	≤ 200	✓	✓
	≤ 355	✓ (solid wall ≥ 240 mm)	✓ (solid floor ≥ 200 mm)

**NOTE:**

The presented data are merely intended to serve as an overview. For a comprehensive presentation please consult the installation instructions.