



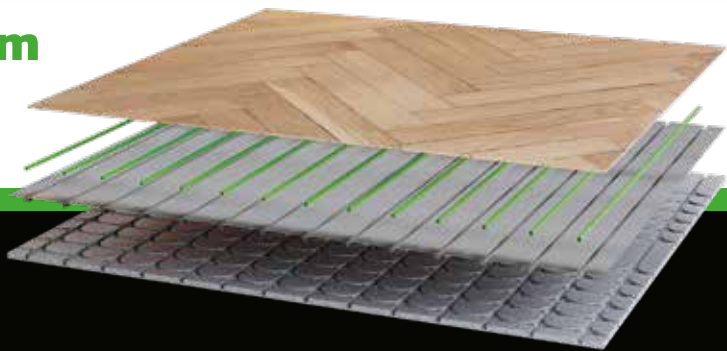
TECHNICAL PRODUCT INFORMATION

UNDERFLOOR HEATING | WALL HEATING | CEILING HEATING

SpeeTile



SpeeTherm



The most versatile and complete system
for heating and cooling any room



THIN



QUICK



LIGHT



WATER



SUSTAINABLE

SpeeTile10

PRODUCT DESCRIPTION

The 120x75cm mats are 12.75mm thin and consist of 40 modular tiles measuring 15x15cm, which are made of recycled polypropylene and have an open structure. With the patented click-break-slide system, the tiles are extendible in length and width. Pre-measuring is no longer necessary, and you always achieve a perfect fit quickly and easily without cutting or trimming. That means you eliminate waste and save time! Each tile is fitted with a break-out masonry anchor to secure the system to the substrate.



SpeeTile10 mat	
material and colour	polypropylene recycled black
length x width	120x75cm
height	12.75mm
surface area	0,9m ²
SpeeTile components in one mat	8 x 5 = 40 (15x15cm) pcs
extendibility	130mm over 4 metres
pipe	Ø10x1.3mm (WARP SpeeTube10)
C-to-C distance between pipes	75mm
installation height including mortar	15 - 20mm total
weight mat, pipe, water, mortar	from 30kg/m ²
Group	
pipe length per group	maximum 80 metres
surface area per group	maximum 5m ²
pattern	double-meander or spiral
Masonry anchor	
hole size	Ø5.0mm (depending on substrate)
diameter masonry anchor	Ø7.0mm
SpeeTile component	
length x width	15x15cm
extendibility	5mm per component
Final flooring	
floor	SpeeTop mortar
wall / ceiling	plaster or cob

No rights can be derived from this product sheet.



Heat emission table

HEATING

Heat emission table WARP SpeeTile system finished with SpeeTop mortar * SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 75mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	24°C	22°C	20°C	18°C	15°C	
27.5	0 W/m ²	24 W/m ²	51 W/m ²	72 W/m ²	108 W/m ²	24
30	10 W/m ²	35 W/m ²	58 W/m ²	82 W/m ²	117 W/m ²	24.8
32.5	24 W/m ²	48 W/m ²	73 W/m ²	96 W/m ²	132 W/m ²	26
35	33 W/m ²	56 W/m ²	80 W/m ²	104 W/m ²	140 W/m ²	26.7
37.5	40 W/m ²	64 W/m ²	88 W/m ²	112 W/m ²	147 W/m ²	27.3
40	48 W/m ²	72 W/m ²	95 W/m ²	120 W/m ²	156 W/m ²	28

COOLING

Heat absorption table (cooling) with WARP SpeeTile system without final flooring. * SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 75mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	22°C	24°C	26°C	28°C	30°C	
22	-	3 W/m ²	15 W/m ²	27 W/m ²	39 W/m ²	23.5
20.75	-	6 W/m ²	18 W/m ²	30 W/m ²	42 W/m ²	23
19.5	-	12 W/m ²	24 W/m ²	36 W/m ²	48 W/m ²	22
18.25	3 W/m ²	15 W/m ²	27 W/m ²	39 W/m ²	51 W/m ²	21.5
17	6 W/m ²	18 W/m ²	30 W/m ²	42 W/m ²	54 W/m ²	21
15.75	9 W/m ²	21 W/m ²	33 W/m ²	45 W/m ²	57 W/m ²	20.5

Correction factors *

Tiles 5mm thick	0.99	Tiles 10mm thick	0.95
Linoleum 2.5mm thick	0.87		
Laminate 10mm thick	0.82	Parquet 15mm thick	0.77
Carpet 5mm thick	0.75	Carpet 10mm thick	0.61

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SpeeTherm15

PRODUCT DESCRIPTION

The **SpeeTherm** 14mm boards consist of EPS (Expanded PolyStyrene) with a compressive strength of 200 kPa. The SpeeTherm boards are 80x60cm with a height of 14mm and are sold in packages of 11 boards. This equates to 5m² per box. The preformed EPS boards (10cm C-to-C) have an insulation value of 0.48 Rd and are designed for use with AluTherm heat conduction profiles and SpeeTube Ø10mm heating pipe. The EPS boards are laid (floating) on a completely flat subfloor (it does not have to be level) with a 3mm gap at the walls.



SpeeTherm15 dry construction board			
material and colour		EPS (Expanded PolyStyrene) 200 grey	
length x width		80x60cm	
height		14mm	
surface area		0.48m²	
compressive strength (BRL 1306)		200 kPa	
pipe		Ø10x1.3mm (WARP SpeeTube10)	
C-to-C distance between pipes		100mm	
thermal coefficient (λ)		0.030 W/mk	
thermal resistance (Rd)		0.47 m²K/W	
installation		floating, 3mm gap from walls	
Box contents		Group	
number of boards in box	11 pieces	Pipe length per group	maximum 80 metres
number of m² in box	5.28m²	Surface area per group	maximum 7m²
box dimensions	80.5x60.5x16.2cm	Pattern	double-meander
In combination with			
dry		AluTherm profile (0.5mm thick)	
pipe		Ø10x1.3mm (WARP SpeeTube10)	
pipe connection at manifold via		¾" Ø10mm PushFit connectors	
total system installation height		15mm	
total system weight EPS, AluTherm, SpeeTube pipe and water		2.8 kg/m²	
Final flooring			
<ul style="list-style-type: none">• Option: sound-insulating, vapour-inhibiting foam film suitable for underfloor heating (e.g. heat foil).*• Rigid, non-resilient, floating final floors (e.g. laminate, parquet).*			
* For installation of the final floor, follow the instructions from the supplier of the final floor.			

No rights can be derived from this product sheet.

Heat emission table

Before commissioning the underfloor heating, first install your floating final flooring with self-supporting pressure-distributing underlay and then commission the system.

HEATING

Heat emission table WARP SpeeTherm system*

SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	24°C	22°C	20°C	18°C	15°C	
27.5	7 W/m ²	31 W/m ²	55 W/m ²	79 W/m ²	115 W/m ²	24.6
30	18 W/m ²	42 W/m ²	66 W/m ²	90 W/m ²	126 W/m ²	25.5
32.5	29 W/m ²	53 W/m ²	77 W/m ²	101 W/m ²	137 W/m ²	26.4
35	40 W/m ²	66 W/m ²	88 W/m ²	112 W/m ²	148 W/m ²	27.3
37.5	50 W/m ²	75 W/m ²	98 W/m ²	122 W/m ²	158 W/m ²	28.2
40	62 W/m ²	86 W/m ²	110 W/m ²	134 W/m ²	170 W/m ²	29.2

COOLING

Heat absorption table (cooling) with WARP SpeeTherm system.*

SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	22°C	24°C	26°C	28°C	30°C	
22	-	6 W/m ²	12 W/m ²	30 W/m ²	42 W/m ²	23
20.75	1.5 W/m ²	14 W/m ²	26 W/m ²	38 W/m ²	50 W/m ²	21.75
19.5	9 W/m ²	21 W/m ²	33 W/m ²	45 W/m ²	57 W/m ²	20.5
18.25	17 W/m ²	29 W/m ²	41 W/m ²	53 W/m ²	65 W/m ²	19.25
17	24 W/m ²	36 W/m ²	48 W/m ²	60 W/m ²	72 W/m ²	18
15.75	32 W/m ²	44 W/m ²	56 W/m ²	68 W/m ²	80 W/m ²	16.75

Correction factors *

Laminate 10mm thick	0.82	Parquet 15mm thick	0.77
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SpeeTile12

PRODUCT DESCRIPTION

The 120x80cm mats are just 15mm thin and consist of 24 modular tiles measuring 20x20cm, which are made of recycled polypropylene and have an open structure. With the patented click-break-slide system, the tiles are extendible in length and width. Pre-measuring is no longer necessary, and you always achieve a perfect fit quickly and easily without cutting or trimming. That means you eliminate waste and save time! Each tile is fitted with a break-out masonry anchor to secure the system to the substrate.



SpeeTile12 mat	
material and colour	polypropylene recycled black
length x width	120x80cm
height	15mm
surface area	0,96m ²
SpeeTile components in one mat	6 x 4 = 24 (20x20cm) pcs
extendibility	200mm over 4 metres
pipe	Ø12x1.5mm (WARP SpeeTube12)
C-to-C distance between pipes	100mm
installation height including mortar	from 35mm, depending on the final flooring
weight mat, pipe, water, mortar	from 75kg/m ²
Group	
pipe length per group	maximum 100 metres
surface area per group	maximum 10m ²
pattern	double-meander or spiral
Masonry anchor	
hole size	Ø5.0mm (depending on substrate)
diameter masonry anchor	Ø7.0mm
SpeeTile component	
length x width	20x20cm
extendibility	10mm per component
Final flooring	
floor	cement or anhydrite
wall / ceiling	plaster or cob

No rights can be derived from this product sheet.



Heat emission table

Plastic mats measuring 120x80cm with a height of 15mm. Fitted with SpeeTube 12mm underfloor heating pipe with a 100mm C-to-C distance between pipes.

HEATING

Heat emission table WARP SpeeTile12 system without final flooring.*

SpeeTube Ø12x1.5mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	24°C	22°C	20°C	18°C	15°C	
27.5	0 W/m ²	24 W/m ²	51 W/m ²	72 W/m ²	108 W/m ²	24
30	10 W/m ²	35 W/m ²	58 W/m ²	82 W/m ²	117 W/m ²	24.8
32.5	24 W/m ²	48 W/m ²	73 W/m ²	96 W/m ²	132 W/m ²	26
35	33 W/m ²	56 W/m ²	80 W/m ²	104 W/m ²	140 W/m ²	26.7
37.5	40 W/m ²	64 W/m ²	88 W/m ²	112 W/m ²	147 W/m ²	27.3
40	48 W/m ²	72 W/m ²	95 W/m ²	120 W/m ²	156 W/m ²	28

COOLING

Heat absorption table (cooling) with WARP SpeeTile12 system without final flooring.*

SpeeTube Ø12x1.5mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	22°C	24°C	26°C	28°C	30°C	
22	-	3 W/m ²	15 W/m ²	27 W/m ²	39 W/m ²	23.5
20.75	-	6 W/m ²	18 W/m ²	30 W/m ²	42 W/m ²	23
19.5	-	12 W/m ²	24 W/m ²	36 W/m ²	48 W/m ²	22
18.25	3 W/m ²	15 W/m ²	27 W/m ²	39 W/m ²	51 W/m ²	21.5
17	6 W/m ²	18 W/m ²	30 W/m ²	42 W/m ²	54 W/m ²	21
15.75	9 W/m ²	21 W/m ²	33 W/m ²	45 W/m ²	57 W/m ²	20.5

Correction factors *

Tiles 5mm thick	0.99	Tiles 10mm thick	0.95
Linoleum 2.5mm thick	0.87		
Laminate 10mm thick	0.82	Parquet 15mm thick	0.77
Carpet 5mm thick	0.75	Carpet 10mm thick	0.61

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THIN



QUICK



LIGHT



WATER



SUSTAINABLE

SpeeTherm30

PRODUCT DESCRIPTION

The **SpeeTherm** 29mm boards consist of EPS (Expanded PolyStyrene) with a compressive strength of 200 kPa. The SpeeTherm boards are 80x60cm with a height of 29mm and are sold in packages of 11 boards. This equates to 5m² per box. The preformed EPS boards (10cm C-to-C) have an insulation value of 1 Rd and are designed for use with AluTherm heat conduction profiles and SpeeTube Ø10mm heating pipe. The EPS boards are laid (floating) on a completely flat subfloor (it does not have to be level) with a 3mm gap at the walls.



SpeeTherm30 dry construction board			
material and colour		EPS (Expanded PolyStyrene) 200 grey	
length x width		80x60cm	
height		29mm	
surface area		0.48m²	
compressive strength (BRL 1306)		200 kPa	
pipe		Ø10x1.3mm (WARP SpeeTube10)	
C-to-C distance between pipes		100mm	
thermal coefficient (λ)		0.030 W/mk	
thermal resistance (Rd)		1 m²K/W	
installation		floating, 3mm gap from walls	
Box contents		Group	
number of boards in box	11 pieces	pipe length per group	maximum 80 metres
number of m² in box	5.28m²	surface area per group	maximum 7m²
box dimensions	80.5x60.5x34cm	pattern	double meander
In combination with			
dry		AluTherm profile (0.5 mm thick)	
pipe		Ø10x1.3mm (WARP SpeeTube10)	
pipe connection at manifold via		¾" Ø10mm PushFit connectors	
total system installation height		30mm	
total system weight (EPS, AluTherm, SpeeTube pipe and water)		3.3 kg/m²	
Final flooring			
<ul style="list-style-type: none">• Option: sound-insulating, vapour-inhibiting foam film suitable for underfloor heating (e.g. heat foil).*• Rigid, non-resilient, floating final floors (e.g. laminate, parquet).*			
* For installation of the final floor, follow the instructions from the supplier of the final floor.			

No rights can be derived from this product sheet.

Heat emission table



Before commissioning the underfloor heating, first install your floating final flooring with self-supporting pressure-distributing underlay and then commission the system.

HEATING

Heat emission table WARP SpeeTherm system.*

SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	24°C	22°C	20°C	18°C	15°C	
27.5	7 W/m ²	31 W/m ²	55 W/m ²	79 W/m ²	115 W/m ²	24.6
30	18 W/m ²	42 W/m ²	66 W/m ²	90 W/m ²	126 W/m ²	25.5
32.5	29 W/m ²	53 W/m ²	77 W/m ²	101 W/m ²	137 W/m ²	26.4
35	40 W/m ²	66 W/m ²	88 W/m ²	112 W/m ²	148 W/m ²	27.3
37.5	50 W/m ²	75 W/m ²	98 W/m ²	122 W/m ²	158 W/m ²	28.2
40	62 W/m ²	86 W/m ²	110 W/m ²	134 W/m ²	170 W/m ²	29.2

COOLING

Heat absorption table (cooling) with WARP SpeeTherm system.*

SpeeTube Ø10x1.3mm pipe at maximum flow rate of 75 l/h and 100mm C-to-C distance between pipes

Average temperature of supply water °C	Room temperature °C					Floor/wall temperature °C
	22°C	24°C	26°C	28°C	30°C	
22	-	6 W/m ²	12 W/m ²	30 W/m ²	42 W/m ²	23
20.75	1.5 W/m ²	14 W/m ²	26 W/m ²	38 W/m ²	50 W/m ²	21.75
19.5	9 W/m ²	21 W/m ²	33 W/m ²	45 W/m ²	57 W/m ²	20.5
18.25	17 W/m ²	29 W/m ²	41 W/m ²	53 W/m ²	65 W/m ²	19.25
17	24 W/m ²	36 W/m ²	48 W/m ²	60 W/m ²	72 W/m ²	18
15.75	32 W/m ²	44 W/m ²	56 W/m ²	68 W/m ²	80 W/m ²	16.75

Correction factors *

Laminate 10mm thick	0.82	Parquet 15mm thick	0.77
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SpeeTube10

PRODUCT DESCRIPTION

The green **SpeeTube10** is an oxygen diffusion-tight 5-layer PE-RT (PolyEthylene of Raised Temperature-resistance) plastic pipe suitable for heating and cooling. The pipe is SKZ and KOMO certified with a 30-year warranty. The available roll lengths are 50, 80, 150, 240, 480 and 800m. Use a pipe reel when installing the pipe – the pipe unwinds easily and without tension, in the direction favoured by the pipe.



SpeeTube Ø10mm	
material	PE-RT 5-layer oxygen diffusion-tight
colour	WARP green
outer diameter	(Ø)10mm
wall thickness	1.3mm
thermal conductivity coefficient	0,41 W/mK
KOMO certification	KOMO K 84463 Cl.4/ 5 6 bar
SKZ certification	SKZ A666 DIN 16833, ISO 24033 / 22391
oxygen diffusion-tight	KOMO DIN 4726 & SKZ DIN 16833
oxygen diffusion at 40 °C	Less than 0.1 mg/lxd
roll lengths	50, 80, 150, 240, 480, 800 metres
suitable for dry construction	SpeeTherm15 & SpeeTherm30 systems
suitable for wet construction	SpeeTile10 system
manifold connection	3/4" Ø10mm PushFit connectors
maximum group length of pipe	80 metres
warranty	30 years

PRESSURE LOSS TABLE

Pressure loss per metre SpeeTube Ø10x1.3mm pipe*

Metres [m]	75	70	65	60	55	50	45	40	35	30	25	20	15	10	5
Water speed [m/s]	0.49	0.45	0.42	0.39	0.36	0.32	0.29	0.26	0.23	0.19	0.16	0.13	0.1	0.06	0.03
Pressure loss [mBar/m]	6.58	5.85	5.16	4.5	3.89	3.31	1.7	1.51	1.33	1,14	0.95	0.76	0.57	0.38	0.19
Pressure loss in [kPa/m]	0.658	0.585	0.516	0.45	0.389	0.331	0.17	0.151	0.133	0,114	0.095	0.076	0.057	0.038	0.019

* The values in the table are estimates. No rights can be derived from the values in the table.

Example calculation 65 metres of Ø10x1.3mm pipe

Flow rate 72 l/h = 72 kg/h

Water speed approximately 0.47 m/s

Pressure loss across the group = approximately $(6.58+5.85)/2 \times 65 \text{ m} = 404 \text{ mbar}$ or 40.4 kPa.

No rights can be derived from this product sheet.



SpeeTube12

PRODUCT DESCRIPTION

The green **SpeeTube12** is an oxygen diffusion-tight 5-layer PE-RT (PolyEthylene of Raised Temperature-resistance) plastic heating pipe suitable for heating and cooling. The heating pipe is SKZ and KOMO certified with a 30-year warranty. The available roll lengths are 100, 300 and 600m. Use a pipe reel when installing the pipe – the pipe unwinds easily and without tension, in the direction favoured by the pipe.



SpeeTube Ø12mm	
material	PE-RT 5-layer oxygen diffusion-tight
colour	WARP green
outer diameter	Ø12mm
wall thickness	1.5mm
thermal conductivity coefficient	0.41 W/mK
KOMO certification	KOMO K13788 DIN4726 Cl.4/ 5 6bar
SKZ certification	SKZ 220 DIN 16833, ISO 24033 / 22391
oxygen diffusion-tight	KOMO DIN 4726 & SKZ DIN 16833
oxygen diffusion at 40°C	Less than 0.1 mg/lxd
roll lengths	100, 300, 600 metres
suitable for wet construction	SpeeTile12 system
manifold connection	3/4" Ø12mm PushFit connectors
maximum group length of pipe	100 metres
warranty	30 years

PRESSURE LOSS TABLE

Pressure loss per metre SpeeTube Ø12x1.5mm pipe*

Metres [m]	75	70	65	60	55	50	45	40	35	30	25	20	15	10	5
Water speed [m/s]	0.30	0.28	0.26	0.24	0.22	0.20	0.18	0.16	0.14	0.12	0.10	0.08	0.06	0.04	0.02
Pressure loss [mBar/m]	2.35	1.94	1.59	1.28	1.01	0.86	0.78	0.69	0.60	0.52	0.43	0.34	0.26	0.17	0.09
Pressure loss in [kPa/m]	0.235	0.194	0.159	0.128	0.101	0.086	0.078	0.069	0.060	0.052	0.043	0.034	0.026	0.017	0.009

* The values in the table are estimates. No rights can be derived from the values in the table.

Example calculation 65 metres of Ø12x1.5mm pipe

Flow rate 72 l/h = 72 kg/h

Water speed approximately 0.29 m/s

Pressure loss across the group = approximately $(2.35+1.94)/2 \times 65 \text{ m} = 139.43 \text{ mbar}$ or 13.9 KPa.

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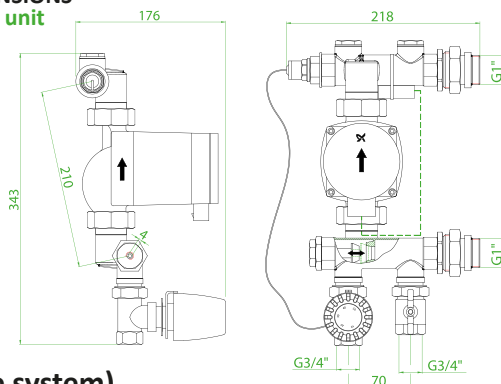
Manifold

Table of dimensions open manifold incl. pump unit and ball valves

Number of groups	Length [mm]	Height [mm]	Depth [mm]
2	465	575	200
3	520	575	200
4	575	575	200
5	630	575	200
6	685	575	200
7	740	575	200
8	795	575	200
9	850	575	200
10	905	575	200
11	960	575	200
12	1015	575	200
13	1070	575	200
14	1125	575	200
15	1180	575	200
16	1235	575	200
17	1290	575	200
18	1345	575	200



DIMENSIONS
pump unit



GRADUAL HEATING PROTOCOL (only for the SpeedTile system)

The curing time before starting the gradual heating protocol
after applying mortar depends on the ambient temperature: **> 15°C after 48 hours**
< 15°C after 72 hours

When the heating system is started for the first time, the gradual heating protocol must be followed. Ask your plasterer (for wall or ceiling applications with plaster or cob) about drying times before you start the system.

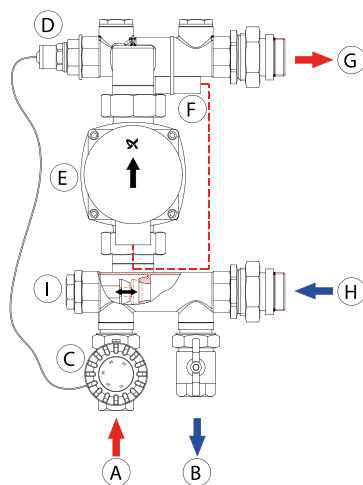
Using the thermostat head on the pump unit, set the water temperature of the heating system to 20°C for 24 hours. The temperature can be read from the thermomanometer on the manifold's supply rail. Every 24 hours thereafter, the temperature can be increased by 5°C until a temperature of 40°C is reached, after which the temperature is reduced by 5°C daily until 20°C is reached. The SpeedTile heating system is now ready to be covered and for use.

Pump unit

COMPONENT DESCRIPTIONS

Pump unit LTH (Low Temperature Heating)

- A. Supply, primary
- B. Return, primary
- C. Thermostat head
- D. Capillary tube and sensor pocket, thermostat head
- E. Pump, arrow indicates water flow towards supply rail
- F. Maximum thermostat protection
- G. Supply rail, manifold
- H. Return rail, manifold
- I. Low temperature valve (LTH)



Installation

1. Connect the supply rail of the manifold to position G.
2. Connect the return rail of the manifold to position H.
3. Connect the primary supply line to position A and the primary return line to position B.
4. Mount maximum thermostat F on the supply side after the pump unit before the manifold supply rail with a tie-wrap on the silver-coloured brass.
5. Attach thermostat knob C to the thermostatic valve after removing the black protective cap, and set it to the lowest setting.
6. Place the capillary tube in sensor pocket D, and close it with the black cap open.
7. Use mixing valve I to set the mixing ratio. Turning anti-clockwise opens the valve more. Turning clockwise reduces the mixing ratio, which means more supply water will be pumped to the supply rail (G) unmixed.

Pump unit

To set the pump unit correctly, use position A, B or C depending on the number of groups on the distributor in combination with position E. Position D is not used. The left three options on the pump unit are also not used. The grey button on the front of the pump unit can be used to change position. First make sure that position E is selected and then choose option A, B or C according to your own situation. The red float indicator ring (C) in the glass tubes of the flow meters gives a result (standard between 0.5 and 2 L/m).



SpeeTurn10

The **SpeeTurn** is a corner guide, made of recycled polypropylene, that is used to create a 90° bend in a SpeeTube Ø10mm heating pipe. By combining two SpeeTurn corner guides, the SpeeTube can be run from floor to wall, from wall to wall and from wall to ceiling, without kinks. This makes drilling or chiselling in corners a thing of the past. The SpeeTurn has three attachment points; the two lateral ones can be adjusted and folded in, to fit the application. The masonry anchors from the SpeeTile system can be used to secure them in place. Because the height of the SpeeTurn is the same as the height of the SpeeTile and SpeeTherm systems through which the heating pipe runs, it can be finished smoothly, completely hidden from view, without drilling or chiselling. Because the SpeeTile system is suitable for floors, walls and ceilings, it is important to be able quickly and easily make connections between these surfaces. This way, an entire room can easily be connected to the same manifold.



- ✓ Make connections from floor to wall, wall to wall and wall to ceiling
- ✓ A pass-through bend to the manifold
- ✓ Pipe guidance without kinking
- ✓ Total installation height floor 15mm including SpeeTop mortar
- ✓ Total installation height wall/ceiling 20mm including plaster/cob

SpeeTrap10 and 12

These are mounting aids made of recycled polypropylene and are available for the SpeeTube Ø10mm and Ø12mm. You use them to easily attach two SpeeTube heating pipes parallel to each other on the floor, wall or ceiling. This is handy in places where there are no SpeeTile mats, such as at the manifold or the points at which the SpeeTube has to be fed through the wall. At the manifold there is no room for SpeeTile mats, as there would not be enough space to guide the SpeeTube heating pipes to the manifold. The SpeeTrap solves this problem. It neatly secures the heating pipes in position, at the right height, so they do not remain floating on the surface. This makes it possible to finish the area in a neat, smooth, professional manner.

- ✓ Minimum installation height
- ✓ Interconnectable
- ✓ Balanced minimum C-to-C pipe spacing of 28mm
- ✓ Fixes the SpeeTube Ø10mm in position
- ✓ Mount with the masonry anchor from the SpeeTile every 25cm



The **SpeeTrap** has one mounting point in the middle. The masonry anchors from the SpeeTile system can be used to secure them in place. The SpeeTraps can also be interconnected by clicking them together to neatly guide many heating pipes in a small area.

CalibrationTool



After cutting off the SpeeTube heating pipe, the **CalibrationTool** is used to make it round again and bevel the edges. This makes it easy to insert the SpeeTube heating pipe in the PushFit connectors.

- ✓ Calibrates SpeeTube $\varnothing 10 \times 1.3 \text{ mm}$ and $\varnothing 12 \times 1.5 \text{ mm}$ SpeeTube heating pipe
- ✓ Prevents ovality of the SpeeTube heating pipe
- ✓ Deburrs and bevels the edges
- ✓ Perfectly sized for PushFit system connectors

PushFit connector 10mm and 12mm

PushFit 10mm connector 1 group 3/4" 10x1.3 and 12mm cone 1 group 3/4" 12x1.5. The PushFit system is a quick, professional way to connect the supply and return pipes of the SpeeTube heating pipe to the manifold. One of the benefits of the PushFit connector is that it encloses the heating pipe instead of squeezing it the way a compression connector does. Because the heating pipe is not constricted, there is less resistance. The lower resistance allows a higher rate of flow and prevents blockages.

The PushFit system can be connected and disconnected quickly, just like the SpeeTube heating pipe. It can be easily removed by pressing the red plastic ring and simultaneously pulling the heating pipe out of the coupling. The PushFit system consists of a single connector, a double (splitter) connector and a repair connector.



SpeeTrace

Heat detection sticker used for tracing a warm SpeeTube heating pipe in a wall or ceiling. Attach the SpeeTrace sticker to a cooled wall in a location in which you want to detect pipes. Then switch on the heating system so that warm water flows through the heating pipes. The sticker will become green in colour where the heating pipes run behind it. Do not drill in these areas.

- ✓ Easily trace heating pipe in wall or ceiling
- ✓ Drill in the correct location





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