

flooré

Product catalogue

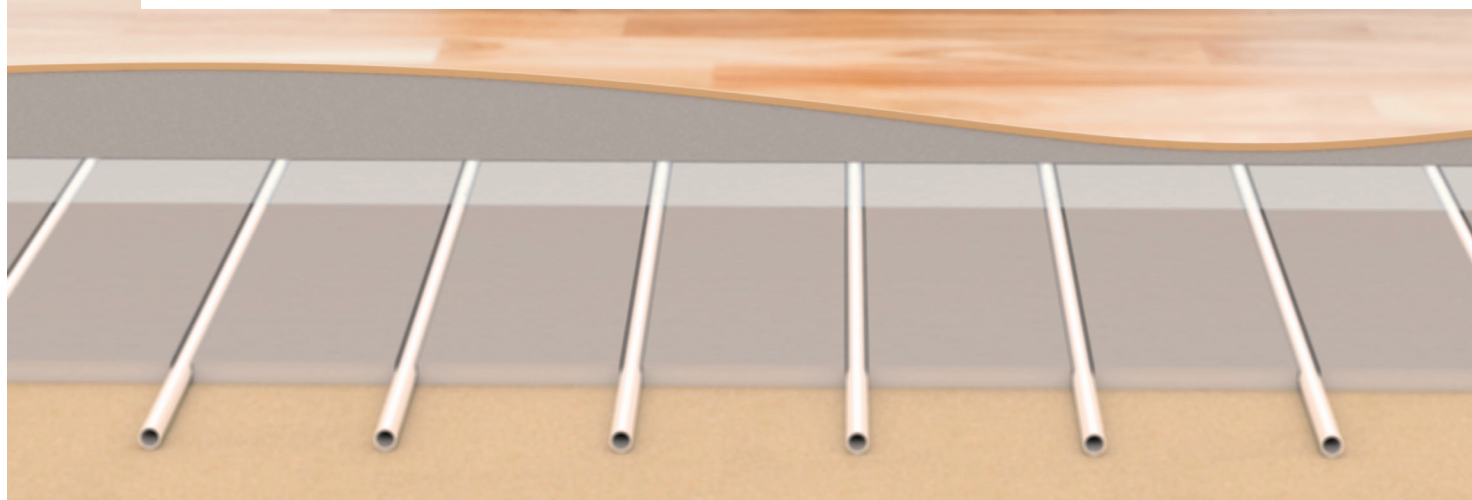
FLOORÉ UNDERFLOOR HEATING



2020

CONTENTS

Panels and Embedded | Heating Control | Smart Home



flooré

.....

GUIDANCE & SUPPORT
8 AM–4 PM MONDAY–FRIDAY

010-221 64 00
info@floore.se

.....

Find your nearest dealer at
www.floore.se

Receipt of goods

On receipt of any goods, they must be checked and the consignment note signed. Any visible damage to the packaging or missing items/packages must be reported immediately on delivery and noted on the receipt. Any hidden damage must be reported to the carrier within seven days, and supplemented with photographs of the packaging and goods.

Check that the delivery note enclosed corresponds with the materials delivered. Any deviations must be reported within seven working days of the date of receipt.

**Keep reading to find out just how easy it is to lay
Flooré underfloor heating**

Instructional video:



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UNDERFLOOR HEATING SHOULD BE EASY!

Warm feet - it's your right!

We want everyone to have the opportunity to benefit from uniform and comfortable heating in their own home, without excessive energy consumption. I'm sure we are in agreement on that.

Flooré's entire product range was developed on the basis that anyone should be able to lay our underfloor heating. We will guide you through the process for creating a life-long and comfortable indoor climate.

Our solutions contrast directly with radiator-heated rooms, which are subject to uneven heat distribution, a build-up of dust and restrictions on how you can decorate your home.



Do it yourself!



Help with planning and drawing



Support along the way



Our smart panels make it easy to lay your underfloor heating yourself.



All we need is a drawing of your room or rooms, and we can help you with product calculation and planning.



Need support? We are just a phone call away.

Flooré Panel:

Suitable for all floors and floor surfaces

Easy to cut

No special tools required

Easy to lay yourself

Can be walked on immediately

VIDEO
LET US SHOW
YOU JUST HOW
EASY IT IS:



That bit smarter – giving you time to spend on the things that really matter.

It's all about common sense – when you're at work or your children are at school, there is no need to keep all rooms heated. Flooré Smart Home helps you keep energy costs in check, both at home and in holiday homes.

Flooré panels are quick to respond when you change the temperature settings, reaching your desired temperature within as little as 45 minutes. With conventional systems this can take up to eight hours!

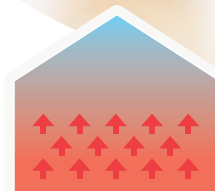
We have developed smart solutions to suit all situations, whether you are building a new house or renovating your existing home. Our solutions are smart in terms of how easy they are to install, provide efficient heating and raise the value of your home.



Tips for everyday luxury

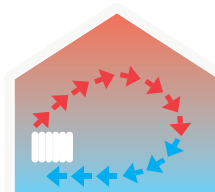
A day in the great outdoors? You can use the mobile app to increase the temperature for when you return, and you can place your wet clothes on the floor for quicker drying.

FLOOR HEATING:



Warm floor, even heat distribution

RADIATORS:



Cold floor, warm ceiling

Suitable for both new builds and renovation projects

Increase the value of your home

Control the heating of different rooms separately

Lower the temperature when you are not at home

More uniform heating = more comfortable heating

Unleash your creativity – we're not going to stop you.

Let's be honest. Getting to the point where you can lay your carefully chosen tiled floor or hang the first strip of your dream wallpaper takes time. We're here to make the journey a little easier.

Underfloor heating can also be laid whilst giving a room a facelift. When renovating a room, the final overall height of the finished floor is an important factor to consider. This is key if you wish to avoid having to raise the thresholds for doors and want to retain as much room height as possible.

Perhaps your dream floor is a proper tiled affair? With the minimised height of our underfloor heating system, you can have both. Our thinnest panel is just 13 mm!

↑ 13 mm
↓

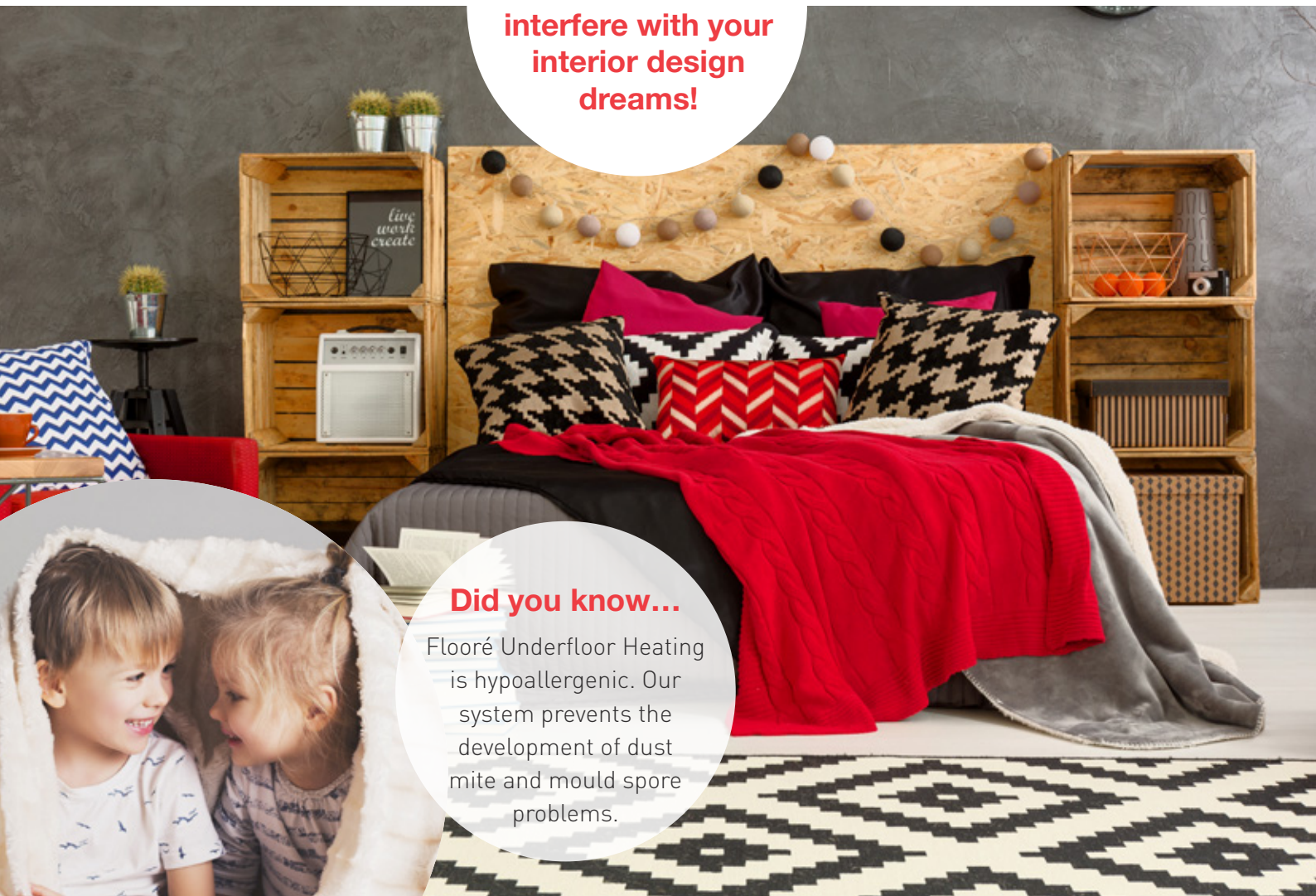
Benefits of installing Flooré's thin panel during a renovation project:

- ▶ Minimal reduction in room height.
- ▶ Door thresholds need not be raised.
- ▶ Greater freedom to choose floors of varying thicknesses.

**Say goodbye to
radiators that
interfere with your
interior design
dreams!**

Did you know...

Flooré Underfloor Heating is hypoallergenic. Our system prevents the development of dust mite and mould spore problems.



Expertise and advanced-level research – to make it easy for you

Flooré is a pioneer in the development of underfloor heating. The primary reason for this is high-level expertise and extensive experience, combined with an innate desire to make underfloor heating available to everyone.

In the 1980s and 1990s, tiled floors were popular throughout the Scandinavian countries. However, the resulting floors were cold and uncomfortable to walk on and the underfloor heating of the age was time-consuming, embedded underfloor heating. We asked ourselves whether it really needed to be so complicated.

The solution to these problems was underfloor heating that could be laid on an existing floor, allowing for the heat to be closer to the surface, with a floor that heats and cools faster.

As we say: “You wouldn't put anything between the hob and pot when brewing coffee.” For this reason, we place as little material as possible between you and the heat.

- ▶ Flooré panels conduct heat 10 times faster than traditional underfloor heating.
- ▶ The heat is closer to you because your floor of choice can be laid directly on the panels.
- ▶ Flooré underfloor heating can be purchased at DIY shops or online.
- ▶ Combine complete kits to cover areas of up to 24 m².

**Calculate
the cost of larger
projects**

m² price of
complete
underfloor
heating



Page 13

**Embedded
underfloor
heating?**

We also have kits with a low building height for embedded underfloor heating.
Read more on page 8.



DIY!

Complete kits – for areas of up to 24 m²

For areas of more than 24 m², see pages 9–13.

Flooré Kit Panel

Fast and efficient heating

Aluminium foil coated panels

Lay your new floor on top of the old one!

Underfloor heating can be laid on most subfloors

Save time and money with fewer steps

Tiles can be laid directly on the panels

Do you have building height restrictions or is there space for extra insulation?

When you buy a Flooré Kit, you can choose from three different panels. Our thinnest panel is only 13 mm, resulting in a minimal decrease in room height. Panels featuring extra insulation come in a thickness of 25 mm or 50 mm.



Retain as much room height as possible by choosing our ultra thin panel.



Reduce heat loss by selecting one of our panels with extra insulation.



CONTAINS:

Floor panels
Premium underfloor heating pipes
Aluminium tape
Pipe fittings



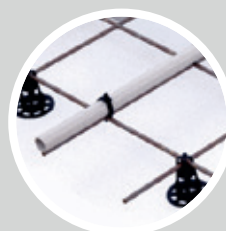
Flooré Kit Embedded

Perfect for renovation projects

Our embedded kit is particularly suitable for use when renovating existing rooms. The heating pipes can be embedded in just 20 mm of putty or concrete.



Embedded in 20 mm of putty or concrete.



CONTAINS:

Premium underfloor heating pipes
Edge insulation
Cable ties
Pipe fittings



Flooré Kit

DIY!

Flooré Kit Panel – 13 mm

Best suited for:

- Floors that are already insulated
- Floors that do not need insulating
- Rooms in which the floor height increase is to be as small as possible



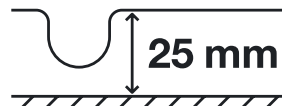
ITEM NO	EAN NO	SURFACE
414 35	7350010414353	6 m ²
414 36	7350010414360	9 m ²
414 37	7350010414377	12 m ²



Flooré Kit Panel – 25 mm

Best suited for:

- Floors that are not insulated
- Floors where the surface below is not heated
- Homes in which you want to reduce heat loss
- Can be laid directly on an uninsulated concrete floor



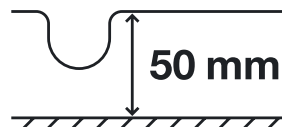
ITEM NO	EAN NO	SURFACE
414 45	7350010414452	6 m ²
414 46	7350010414469	9 m ²
414 47	7350010414476	12 m ²



Flooré Kit Panel – 50 mm

Best suited for:

- Floors that are not insulated
- Floors where the surface below is not heated
- Homes in which you want to reduce heat loss
- Can be laid directly on an uninsulated concrete floor



ITEM NO	EAN NO	SURFACE
414 25	7350010414254	6 m ²
414 26	7350010414261	9 m ²
414 27	7350010414278	12 m ²

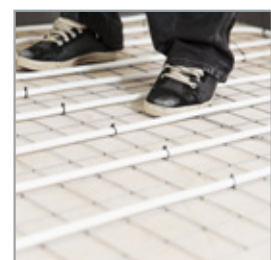


Flooré Kit Embedded

Embedding kit

- 12 mm Premium pipes
- c/c distance between the pipes 125–150 mm

ITEM NO	EAN NO	SURFACE
414 23	7350010414254	4 m ²
414 24	7350010414261	8 m ²





Flooré Kit planning table for spaces of up to 24 m²

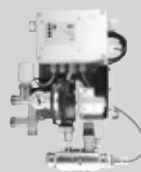


Supplement with wireless control.
(More information on page 23)

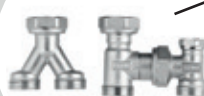
FS36 mixing unit



Item No 413 40



Psst! Looking for a warm and comfortable floor, even in summer? Our electric mixing unit is the perfect solution. Electric mixing unit FS 36
(More information on page 20)



Item No 413 22

ONE EXPANSION KIT
REQUIRED PER TWO KITS



You can find our Flooré Kit on page 5.



Tailor a solution to suit you with up to two Flooré Kits or embedment kits.

Looking for underfloor heating for areas over 24 m²? We can help!

Let our experts look at your floor plans. We can then provide you with an orientation drawing and a list of products that you can take to your local dealer, who can quote you a price.



Produce a floor plan of your rooms and indicate the m²



Submit the floor plan at floore.se/offert.



You will receive a proposal to take to your local dealer for pricing.

Flooré underfloor heating panels



Lowest building height

Lay tiles or a wood floor directly on the panels.



Fastest heating and cooling

43 mins compared with 7–8 hours for embedded systems.



Easy installation

Cuttable panel with built-in turning grooves.



Heat your floor, not your subfloor

The panels focus the heat where it is needed, saving energy.

Flooré underfloor heating panels

- 1 SURFACE MATERIAL
- 2 FLOORÉ PANEL
- 3 LOAD-BEARING FLOOR



Flooré panels can be easily cut with a standard craft knife. All panels have pre-cut grooves and turning grooves for the pipes. Our 25 and 50 mm panels also feature diagonal return grooves. Thanks to the aluminium-coated panels, you can heat almost 100 per cent of the room's surface.

Fast and efficient heating

Aluminium foil coated panels

Lay your new floor on top of the old one!

Underfloor heating can be laid on most subfloors

Save time and money with fewer steps

Tiles can be laid directly on the panels

Lowest building height or extra insulation?

Our thinnest panel is only 13 mm, resulting in a minimal decrease in room height. Panels featuring extra insulation come in a thickness of 25 mm or 50 mm.

Compare this with loose underfloor heating plates that offer just 70–80 per cent heat distribution. The panels can be easily secured with cementitious adhesives, floor adhesives or screws. At floore.se you can find instructions from the most common manufacturers of adhesives and cementitious adhesives.

Flooré underfloor heating panels

Prices by m² for Flooré's complete underfloor heating.

- Patented aluminium-coated EPS panel
- Premium underfloor heating pipes
- Pipe fittings
- Free design drawing



ITEM NO	EAN NO	DESIGNATION	THICKNESS	PIPE
410 00	7350010410003	m² price complete 1213, c/c 192 mm	13 mm	12 x 1.6 mm Premium
410 05	7350010410058	m² price complete 1617, c/c 192 mm	17 mm	16 x 2.0 mm Premium
410 10	7350010410102	m² price complete 1225, c/c 192 mm	25 mm	12 x 1.6 mm Premium
410 11	7350010410119	m² price complete 1625, c/c 192 mm	25 mm	16 x 2.0 mm Premium
410 15	7350010410157	m² price complete 1250, c/c 192 mm	50 mm	12 x 1.6 mm Premium
410 16	7350010410164	m² price complete 1650, c/c 192 mm	50 mm	16 x 2.0 mm Premium

Flooré underfloor heating panels

- Patented aluminium-coated EPS panel. Size: 1,175 x 768 mm.
- Delivered folded in half in packaging containing 5 or 10 pieces, see the table for more information.

ITEM NO	EAN NO	DESIGNATION	THICKNESS	FOR PIPE	PER PACK	SURFACE/PACK
414 53	7350010414537	Flooré panel 1213, c/c 192 mm	13 mm	12 mm	10 pcs	9.0 m²
414 66	7350010414667	Flooré panel 1617, c/c 192 mm	17 mm	16 mm	10 pcs	9.0 m²
414 72	7350010414728	Flooré panel 1225, c/c 192 mm	25 mm	12 mm	5 pcs	4.5 m²
414 77	7350010414773	Flooré panel 1250, c/c 192 mm	50 mm	12 mm	5 pcs	4.5 m²
414 82	7350010414827	Flooré panel 1625, c/c 192 mm	25 mm	16 mm	5 pcs	4.5 m²
414 87	7350010414872	Flooré panel 1650, c/c 192 mm	50 mm	16 mm	5 pcs	4.5 m²

Aluminium tape

- Thickness 50 µm, width 50 mm
- Used to cover turning grooves and join underfloor heating panels

ITEM NO	EAN NO	LENGTH
410 33	7350010410331	25 m



Double-sided carpet tape 50 mm x 25 m

- Used for installation of underfloor heating panels on even and dry subfloors where floating floors are to be laid as a top surface.
- 25 m is sufficient for approx. 10 m².

ITEM NO	EAN NO	LENGTH
412 25 50	8001814201579	25 m



Functional intermediate floor 6 mm

- Used with soft floor coverings that cannot be laid directly on Flooré panels, for example, linoleum click-together flooring or plastic floor covering.
- MDF 6 x 1,250 x 610 mm with tongue and groove.

ITEM NO	EAN NO	PER PACK
761253	7040437612530	2.83 m²



Flooré embedded underfloor heating



Easy installation

Fit the pipe under or on the reinforcement



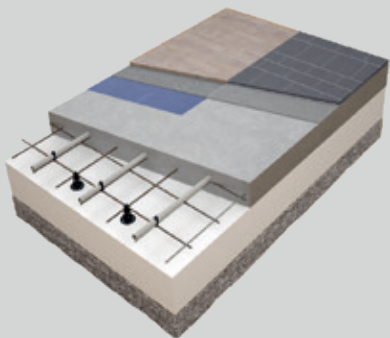
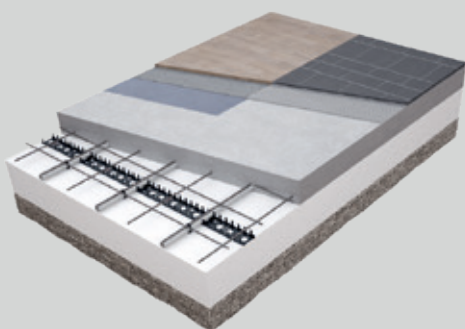
Affordable solution

The cheapest solution for a new build



Flooré is the most efficient solution

Flooré Premium pipes offer the best heat transfer



Embedded underfloor heating is the most common type of underfloor heating in new-build houses, where you can easily and affordably lay the underfloor heating tubes directly in the foundations. The tubes can be placed either directly on the insulation and attached to the connector strips or laid on top of the reinforcement and attached to the reinforcement mesh with cable ties or tying wire.

Trying to decide between embedded underfloor heating or a panel-based system?

An advantage of embedded underfloor heating is that it is often more affordable based on purchase price alone. Flooré's panels provide more efficient heating, which means reduced costs over time.

Embedded underfloor heating entails high flexibility in terms of installation, as you can easily place tubes under walls and at different distances.

The benefits of Flooré panels are that they conduct heat more efficiently and react faster when you adjust the temperature of the underfloor heating (45 minutes instead of up to eight hours). With embedded underfloor heating, the heating pipes warm the entirety of the material used for the embedment, with heat radiating both upwards and downwards.

Flooré embedded underfloor heating

m² price for complete kit

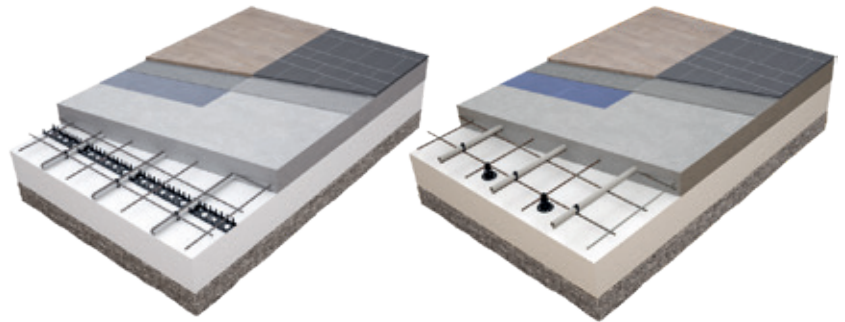
- Pipe support rail or cable ties
- Underfloor heating pipes
- Pipe fittings
- Design drawing provided at no extra charge

16 mm pipe for smaller areas ← 150 m²

20 mm pipe for larger areas → 150 m²

c/c 200 mm for living areas;

c/c 300 mm for garages and industrial applications.



ITEM NO	EAN NO	FASTENING TYPE	C/C DIMENSIONS	PIPE
410 20	7350010410201	Pipe support rail	200 mm	16 x 2.0 mm Premium
410 21	7350010410218	Cable ties	200 mm	16 x 2.0 mm Premium
410 19	7350010410195	Cable ties	200 mm	16 x 2.0 mm Standard
410 18	7350010410188	Pipe support rail	200 mm	16 x 2.0 mm Standard
410 23	7350010410232	Pipe support rail	200 mm	20 x 2.0 mm Standard
410 24	7350010410249	Cable ties	200 mm	20 x 2.0 mm Standard
412 23	7350010412236	Pipe support rail	300 mm	20 x 2.0 mm Standard
412 24	7350010412243	Cable ties	300 mm	20 x 2.0 mm Standard

Pipe support rail

- Plastic rail for quick and easy installation of heating pipes
- With 40 mm hooks
- Material consumption 1 m/m²
- 60 mm pipe holding pins to secure pipe bends in the insulation

ITEM NO	EAN NO		
410 94	7350010410942	For underfloor heating pipes 14–22 mm	1 m/pc
410 93	7350010410935	Pipe holding pin 60 mm	50 per pack



Flooré underfloor heating for wooden floors



Suitable for use with particle board from all known manufacturers

Our tube and plate dimensions can accommodate 22 mm grooved particle board



Rapid heating and cooling

Heats and cools faster than embedded underfloor heating



Calculations are included in our m² prices

You will receive design drawings and CAD drawings from our underfloor heating experts

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Our kits, containing pipes and heat dispersing aluminium plates, are installed under the floor within a load-bearing structure made of either spaced scantling laid across the joists or self-supporting particle boards with pre-milled grooves for underfloor heating. For the plates, we primarily recommend our premium pipes, which due to their aluminium core benefit from more than 600 per cent less length expansion when exposed to heat, which is advantageous in terms of minimising noise from the floor as pipes expand when the heating is switched on.

Our Swedish-made products are available at prices comparable to those of all known underfloor heating panel brands. When you buy materials from Flooré, you can feel secure in the knowledge that we are available to provide any support and technical calculations you may need, and that our complete square metre prices always include a design drawing for your specific situation.

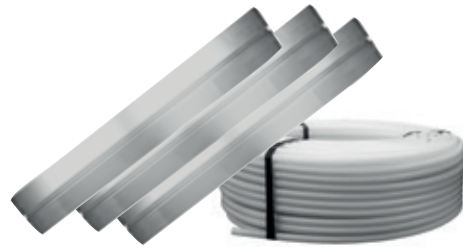


Psst!
Our Flooré underfloor heating panels can be laid on top of your existing floor. Read more on page 9.

Flooré underfloor heating for wooden floors

m² price for complete kit

- Used with spaced mounting or grooved particle boards
- Contains plates, pipes and pipe fittings
- Design drawing provided at no extra charge



ITEM NO	EAN NO	PIPE	DESCRIPTION	SUITABLE FOR PARTICLE BOARDS
410 28	7350010410287	16 mm	Underfloor heating plate, 16 x 2.0 mm Premium pipe, pipe fitting, drawing	Novopan, LK, Moelven.
410 27	7350010410270	16 mm	Underfloor heating plate, 16 x 2.0 mm Standard pipe, pipe fitting, pipe bending support, drawing	Novopan, LK, Moelven.
410 29	7350010410294	17 mm	Underfloor heating plate, 17 x 2.0 mm Standard pipe, pipe fitting, pipe bending support, drawing	Forestia, Tignum, Tempo.

Underfloor heating plate

- Used with spaced mounting or grooved panel boards for underfloor heating pipes
- With break lines for easy fitting to size
- Plate dimensions 0.5 x 190 x 1,150 mm
- Material consumption approx. 4 pcs/m² for 16 and 17 mm pipes



ITEM NO	EAN NO	SUITABLE FOR PIPES	PLATE DIMENSIONS	C/C PIPE	SUITABLE FOR PARTICLE BOARDS
410 35	7350010410355	16 mm	0.5 x 190 x 1,150 mm	200 mm	Novopan, LK, Moelven.
410 31	7350010410317	17 mm	0.5 x 190 x 1,150 mm	200 mm	Forestia, Tignum, Tempo.

Flooré Premium underfloor heating pipes



Conducts heat 20 per cent more efficiently

Smart pipes that conduct heat from the inside out more efficiently than standard pipes – which is optimal for underfloor heating.



Optimum for avoiding noise

When hot water flows through pipes, the material usually expands, causing noise. Our Premium pipes have an aluminium sheath to reduce expansion by 600 per cent.



No risk of corrosion

Our pipes are 100 per cent oxygen-tight

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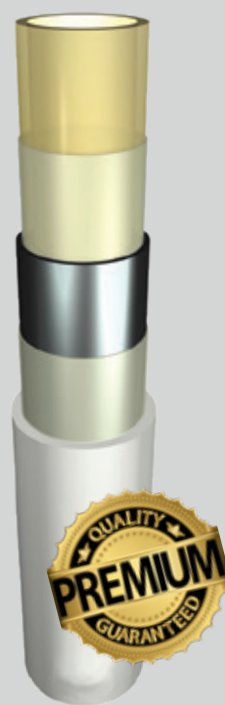
Flooré's multilayer pipe is our premium heating pipe and its core of fully-welded aluminium gives the pipe unique qualities that are perfectly suited for underfloor heating.

The fully-welded aluminium casing seals the pipe 100 per cent against the oxygen that would otherwise enter the heating system and lead to corrosion of the iron parts over time.

Length expansion occurs to a much lesser degree than in pipes without aluminium, which is ideal for pipes that are integrated into a floor, where unwanted movement is particularly undesirable.

The heat transfer in the pipe takes place from the inside out, which is ideal for underfloor heating.

The pipes must always be calibrated at the ends during installation to ensure that they are completely round and will not destroy the O-ring in the fitting. As the pipe retains its shape when bent, you can easily create stylish installations without the need for bulky brackets.



Premium underfloor heating pipes

Pipe with an aluminium core

- Premium pipes to suit all forms of warm water underfloor heating
- Working temperature of up to 95°C
- Working pressure 6 bar
- Dimensionally stable, no bracket required
- 100 per cent sealed, giving your heating system a longer service life
- Conducts heat better, making your heat pump more efficient



ITEM NO	EAN NO	DIMENSIONS	LENGTH
416 41	7350010416418	12 x 1.6 mm	35 m
416 42	7350010416425	12 x 1.6 mm	50 m
416 43	7350010416432	12 x 1.6 mm	65 m
416 44	7350010416449	12 x 1.6 mm	200 m
416 63	7350010416630	16 x 2.0 mm	50 m
416 64	7350010416647	16 x 2.0 mm	90 m
416 66	7350010416661	16 x 2.0 mm	200 m
416 67	7350010416678	16 x 2.0 mm	500 m

Material consumption

DIMENSION	CONSUMPTION
c/c 125 mm	8 m/m ²
c/c 150 mm	6,7 m/m ²
c/c 192 mm	5,25 m/m ²
c/c 200 mm	5 m/m ²
c/c 300 mm	3,4 m/m ²

Maximum length per loop

DIMENSION	LENGTH
12 x 1.6 mm	65 m
16x2,0 mm	90 m
20x2,0 mm	120 m

Calibrator tool

- Required for complete calibration/deburring of Premium underfloor heating pipes before connection
- Can be used with screwdriver or manually

ITEM NO	EAN NO	
416 00	7350010416005	For underfloor heating pipes 12 mm
416 01	7350010416012	For underfloor heating pipes 16 mm
416 02	7350010416029	For underfloor heating pipes 20 mm
416 07	7350010416074	Manual 16, 20 and 26 mm



416 00



416 07

Bending spring

- For Premium underfloor heating pipes
- External
- Used to prevent kinks in the pipe when hand bending

ITEM NO	EAN NO	
416 32	7350010416326	For underfloor heating pipes 12 mm
416 33	7350010416333	For underfloor heating pipes 16 mm
416 34	7350010416340	For underfloor heating pipes 20 mm



Flooré PE-RT underfloor heating pipes



Flexible

Even at low temperatures



Affordable solution



Easy-to-work

Soft and flexible



Our standard heating pipes are made of PE-RT plastic.

The material is particularly suitable for underfloor heating and with over 35 years of experience in the industry, we can assure you that it has been well tested.

PE-RT is the next generation of heating pipes and is set to become increasingly more common than, for example, popular PEX pipes, which have long been the industry standard.

A simpler production process and better technical characteristics make PE-RT pipes cheaper and more flexible, and they can be laid outside even at lower temperatures without becoming stiff.

Standard underfloor heating pipes

PE-RT pipes

- These affordable and flexible, high-quality pipes are suitable for all forms of warm water underfloor heating



ITEM NO	EAN NO	DIMENSIONS	LENGTH
419 64	7350010416648	16 x 2.0 mm	90 m
419 66	7350010419662	16 x 2.0 mm	200 m
419 67	7350010419679	16 x 2.0 mm	500 m
410 56	7350010410560	17 x 2.0 mm	120 m
410 57	7350010410577	17 x 2.0 mm	200 m
419 75	7350010419754	20 x 2.0 mm	120 m
419 76	7350010419761	20 x 2.0 mm	240 m
419 78	7350010419785	20 x 2.0 mm	500 m

Material consumption

DIMENSION	CONSUMPTION
c/c 125 mm	8 m/m ²
c/c 150 mm	6,7 m/m ²
c/c 192 mm	5,25 m/m ²
c/c 200 mm	5 m/m ²
c/c 300 mm	3,4 m/m ²

Maximum length per loop

DIMENSION	LENGTH
16x2,0 mm	90 m
17x2,0 mm	90 m
20x2,0 mm	120 m

Pipe bending support

- For fitting pipe elbows to PE-RT and PEX pipes.

ITEM NO	EAN NO	
410 70	7350010410362	12-17 mm plastic
410 72	7350010410379	20 mm plastic



Pipe fittings

¾" EC = Eurocone fitting, suitable for all our manifolds and for connections feeding mixing unit FS 36, electric mixing unit FS 36 and mixing unit FS 65.

Fitting for Premium, PEX or PE-RT pipes

- Supplied with nut, insert and O-ring

ITEM NO	EAN NO		
411 32	7350010411321	20 x 2.0 mm	¾" EC
411 33	7350010411338	16 x 2.0 mm	¾" EC
411 34	7350010411345	17 x 2.0 mm	¾" EC
411 35	7350010411352	12 x 1.6 mm	¾" EC



Pipe fitting for copper pipes

- Fitting for copper pipes with sealing
- Can be connected directly to the manifold or spigot connection

ITEM NO	EAN NO	
411 20	7350010411208	12 mm, ¾" EC
411 21	7350010411215	15 mm, ¾" EC



Spigot connection

- Spigot connection for pipe fittings

ITEM NO	EAN NO	
411 80	7350010411802	Joint, ¾" EC x ¾" EC
411 81	7350010411819	¾" EC x ½" male pipe thread with O-ring



Elbow

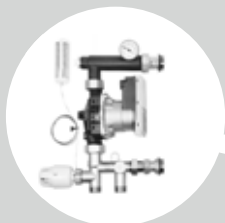
- Elbow for joining pipe fittings

ITEM NO	EAN NO	
411 82	7350010411826	90° elbow, ¾" EC x ¾" EC

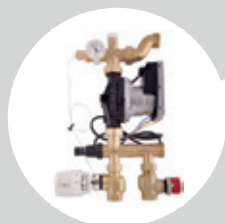


Flooré mixing units and manifolds

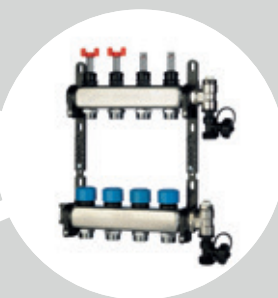
Mixing unit FS 65
Max. 65 m²



Mixing unit FS 175
Max. 175 m²



Manifold 1" stainless steel
2-12 connections



Guidance can be found
on pages 32-38



Manifold cabinet
can be found on page
31



Type	Max. per connection	Max. m ² per connection
Flooré Kit	One	12 m ²
Embedment kit	One	8 m ²
12 mm pipe	65 m	12 m ² with c/c 192
16 mm pipe	90 m	17 m ² with c/c 192, 18 m ² with c/c 200
17 mm pipe	90 m	18 m ² with c/c 200
20 mm pipe	120 m	24 m ² with c/c 200, 35 m ² with c/c 300

Tip:
Do not make the
loops larger than
one room if you
want to be able to
control the heat-
ing of each room
separately.



Underfloor heating



Radiator



Underfloor heating throughout the house

= mixing valve required

= mixing valve NOT required

Warm water underfloor heating is a so-called low temperature system, which means that the flow temperature is significantly lower than would be required for a conventional radiator system.

Where a radiator requires a temperature 55°C, the underfloor heating would require a flow temperature of below 40°C. As water at 55 degrees is not suitable for running through floor structures, the temperature must be reduced. This is done using the mixing unit.

The mixing unit mixes the majority of the cool return water from the underfloor heating with incoming hot water from the radiator system.

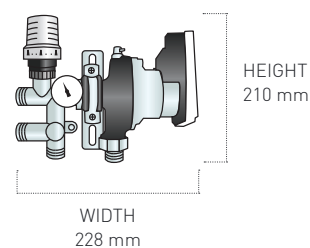
Mixing unit for controlling single rooms up to 24 m²

A maximum of two loops

Mixing unit FS 36 mini

- Complete mixing unit for single rooms at the same temperature
- Control via thermostat with capillary tube sensor
- Shallow installation depth
- Bypass connector required for single-pipe systems (Item No 413 25)
- Can be fitted to an FS 36 expansion kit (Item No 413 22)
- Can be equipped with an RF single-zone kit wireless thermostat kit (Item No 412 63)

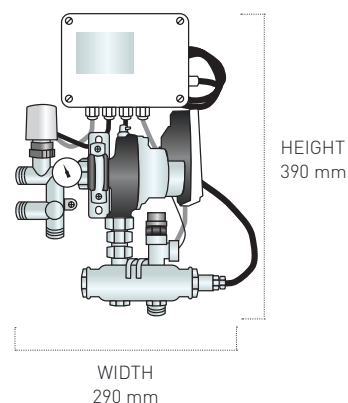
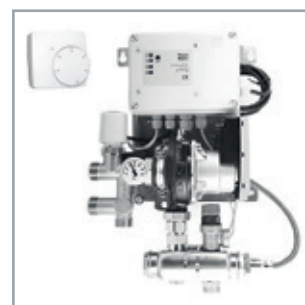
ITEM NO	EAN NO	
413 40	7350010413400	Mixing unit FS 36 mini
413 43	735001413431	Built-in cabinet INT 400 x 450 x 95 mm



Electric mixing unit FS 36

- Complete mixing unit for single rooms heated throughout the whole year
- Summer electrical heat 400 W, max. 20 m²
- Controlled by wireless thermostat
- Bypass connector required for single-pipe systems (Item No 413 25)
- Can be fitted to an FS 36 expansion kit (Item No 413 22)

ITEM NO	EAN NO	
413 21	7350010413219	Electric mixing unit FS 36



Mixing unit for up to 65 m²

Mixing unit FS 65

- Underfloor heating mixing unit with a maximum temperature restrictor
- Fitted to the underfloor heating manifold, 1" stainless steel.
- 3/4" Eurocone fittings on the primary side



413 66

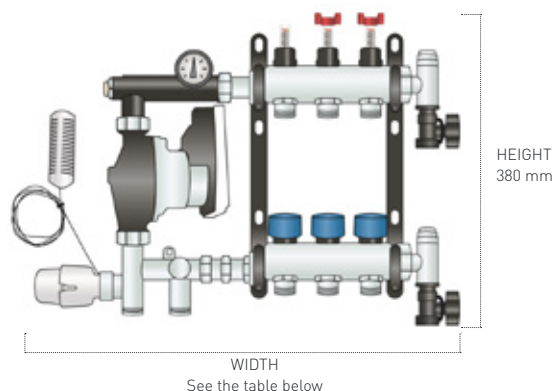
Mixing valve FS 65 with room thermostat

- Complete mixing unit for single rooms at the same temperature
- Control via thermostat with capillary tube sensor
- Fitted to the underfloor heating manifold, 1" stainless steel.
- Can be equipped with an RF single-zone kit wireless thermostat kit (Item No 412 63)
- Can be equipped for smart control via a mobile app (Item No SH-BAS)



413 65

ITEM NO	EAN NO	
413 65	7350010413653	Mixing valve FS 65 with room thermostat
413 66	7350010413660	Mixing unit FS 65



DIMENSIONS REFER TO MIXING VALVE FS 65 WITH MANIFOLD

Outlets	2	3	4	5	6	7	8	9	10
Width	400 mm	450 mm	500 mm	550 mm	600 mm	650 mm	700 mm	750 mm	800 mm

Accessories

For use with mixing valve for control of a single room FS 36

FS 36 expansion kit

- The extension package is a small manifold that enables expansion to two loops with a Mixing unit FS 36 mini.
- Used with Mixing unit FS 36 mini or Electric mixing unit FS 36

ITEM NO EAN NO

413 22	7350010413226	FS 36 expansion kit
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Fitting for Premium, PEX or PE-RT pipes

- Supplied with nut, insert and O-ring

ITEM NO EAN NO

411 33	7350010411338	16 x 2.0 mm	¾" EC
411 35	7350010411352	12 x 1.6 mm	¾" EC



FS 36 Refill and bleed valve

- For refilling/bleeding of underfloor heating loops when the loops are installed above mixing valve FS 36

ITEM NO EAN NO

413 24	7350010413240	Refill kit/bleeding
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Built-in cabinet FS 36

- For mixing unit FS 36 mini with 1–2 loops
- Waterproof base with rubber grommets
- Painted sheet steel

ITEM NO EAN NO DIMENSIONS

413 43	7350010413431	400 x 450 x 95 mm
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Accessories

For use with mixing unit for control of single rooms FS 36 and FS 65

Thermostat package

- Wireless room thermostat
- Receiver 230 V, max. 5 A
- Electronic actuator (T30NC230)

ITEM NO EAN NO

412 79	7350010412793	Thermostat package
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Thermostat package with app control

- One wireless TRV, TRV10RFM
- One wireless thermostat (battery) – white, VS20WRF
- One Internet/APP control (gateway), UGE600

ITEM NO EAN NO

SH-BAS	5060103693634	Basic starter pack
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Shut-off valves

- Shut-off valve
- For closing the inflow and return on FS 36 and FS 65
- Supplied in pairs

ITEM NO EAN NO

413 26	7350010413240	Shut-off valve 3/4" EC
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Cross connector

- Used with FS 36 or FS 65 in a single-pipe system
- Integrated ball valves (for shut-off)

ITEM NO EAN NO

413 25	7350010413257	Cross connector
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Pipe fitting for copper pipes

- Fitting for copper pipes with sealing
- For connection of feed to FS 36 and FS 65

ITEM NO EAN NO

411 20	7350010411208	12 mm, 3/4" EC
411 21	7350010411215	15 mm, 3/4" EC



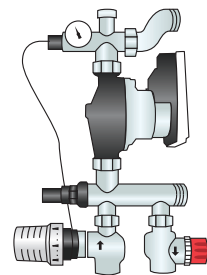
Mixing unit for control of multiple rooms up to a total of 175 m²

Mixing unit FS 175

- Underfloor heating mixing unit for maintaining a constant flow temperature
- Can be fitted to an underfloor heating manifold
- Shallow installation depth, fits into 95 mm wall/distribution cabinets
- ¾" female connections on the primary side
- Adjustable non-return valve that makes it possible to increase the output in systems with a small pressure difference between the primary side inlet and return
- Bracket for free-standing installation included

ITEM NO EAN NO

413 05	7350010413059	Mixing unit FS 175
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HEIGHT
350 mm

WIDTH
225 mm

Connection to the manifold

- 1" female (flat)/1" male with O-ring
- Required to connect Mixing valve FS 175 to underfloor heating 1" stainless steel

ITEM NO EAN NO

418 24	7350010418245	1" female/1" male
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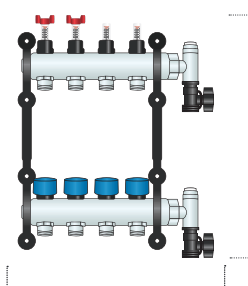
Manifold

Underfloor heating manifold 1" stainless steel

- 1" female connection manifold pipe
- Flow meter for easy adjustment as standard
- Check valve for actuator, M30 x 1.5 male thread
- 3/4" Eurocone connections for 12, 16, 17 or 20 mm pipes
- Complete with flush valves and manual air vent

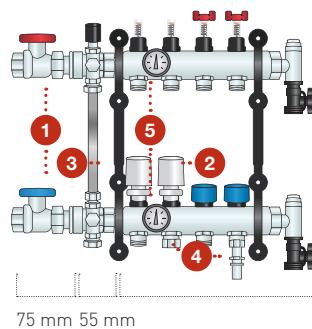


ITEM NO	EAN NO		WIDTH
418 62	7350010418627	2 outlets	183 mm
418 63	7350010418634	3 outlets	233 mm
418 64	7350010418641	4 outlets	283 mm
418 65	7350010418658	5 outlets	333 mm
418 66	7350010418665	6 outlets	383 mm
418 67	7350010418672	7 outlets	433 mm
418 68	7350010418689	8 outlets	483 mm
418 69	7350010418696	9 outlets	533 mm
418 70	7350010418702	10 outlets	583 mm
418 71	7350010418719	11 outlets	633 mm
418 72	7350010418726	12 outlets	683 mm



HEIGHT
400-450 mm

WIDTH
See the table above



OPTIONS:

1. BALL VALVE
2. ACTUATOR M30 X 1.5
3. BYPASS
4. PIPE FITTING
5. THERMOMETER

PLEASE NOTE:

- A BALL VALVE INCREASES THE WIDTH BY 75 MM
- A BYPASS INCREASES THE WIDTH BY 55 MM

Accessories Manifold

Ball valve

- 1" female /1" male with O-ring

ITEM NO	EAN NO	
418 46	7350010418467	1"
418 48	7350010418481	1" with elbow



418 46

Hexagonal cap

- Used to plug the outlets not being used in the manifold

ITEM NO	EAN NO	SIZE
411 49	7350010411499	3/4"



Bypass for underfloor heating manifold 1" stainless steel

- Required when the mixing unit is not connected to the underfloor heating control unit
- Required on at least one manifold in the house if the mixing unit is not used
- Not required if not all loops are connected to the control unit

ITEM NO	EAN NO	
418 76	7350010418764	Bypass



Thermometer for underfloor heating manifold

- Pipe thermometer that can be attached to the underfloor heating manifold or other components.

ITEM NO	EAN NO	
418 50	7350010418504	Thermometer



Manifold cabinet

Our installation cabinets for underfloor heating make it easy to hide the underfloor heating system fittings.

The cabinets are made of white painted sheet metal and the indoor variant in accordance with the Säker Vatten safe water regulations, with a sealed base with rubber grommets for the underfloor heating pipes and a recess in the base for any water that might leak to be directed to a location where it can quickly be detected.

The cabinets have space to install a heating control unit above the manifold.

Indoor manifold cabinet for mounting in the wall

ITEM NO	EAN NO	DIMENSIONS WxHxD	DESCRIPTION
413 43	7350010413431	400 x 450 x 95 mm	Mixing unit FS 36 mini 1-2 loops
415 81	7350010415817	550 x 710 x 95 mm	- Underfloor heating manifold 2-6 loops - FS 175 underfloor heating manifold two loops
415 82	7350010415824	850 x 710 x 95 mm	- Underfloor heating manifold 7-10 loops - FS 175 + underfloor heating manifold 3-8 loops
415 83	7350010415831	1,150 x 710 x 95 mm	- Underfloor heating manifold 12 loops - FS 175 + underfloor heating manifold 9-12 loops

Space for the bypass and ball valve is included in the above calculation for underfloor heating manifolds.

Manifold cabinet EXT for surface mounting

ITEM NO	EAN NO	DIMENSIONS WxHxD	DESCRIPTION
415 86	7350010415862	550 x 710 x 140 mm	- Underfloor heating manifold 2-6 loops - FS 175 underfloor heating manifold two loops
415 87	7350010415879	850 x 710 x 140 mm	- Underfloor heating manifold 7-10 loops - FS 175 + underfloor heating manifold 3-8 loops
415 88	7350010415886	1,200 x 710 x 140 mm	- Underfloor heating manifold 12 loops - FS 175 + underfloor heating manifold 9-12 loops

Space for the bypass and ball valve is included in the above calculation for underfloor heating manifolds.



415 86



413 43

Flooré Smart Home

5-year warranty!

Flooré's wireless control solution is a complete smart control system, which in addition to regulating the heating of radiators and underfloor heating, can also control lighting, heat pumps, etc.



Underfloor heating



Radiators



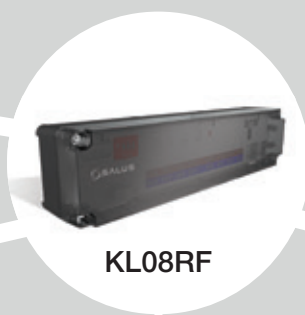
Smart home



T30NC230



KL04RF



KL08RF



HTR-RF



VS10/20

Programmable button to turn elements of your intelligent home on and off



SB600

Extend your wireless signal



SR600

Control the temperature of your radiators wirelessly



TRV



UGE600

2.4 GHz Zigbee

Thermostat controlled from your mobile phone



TS600

Control your power sockets wirelessly



SPE600



OS600

A sensor that can tell whether a door or window is open

INTERNET



Mobile app

Wireless underfloor heating control

Wireless eight-channel junction box

- The base unit can manage up to eight zones
- Max. three actuators per zone
- With circulating pump control
- five-year warranty

ITEM NO

EAN NO

KL08RF	5060103692682	Wireless eight-channel junction box, master
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Wireless four-channel expansion box

- Slave unit connected to KL08RF
- Add-on with four zones and capacity for three actuators per zone
- five-year warranty

ITEM NO

EAN NO

KL04RF	5060103692675	Expansion box with four additional channels, slave
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Actuator (230 V)

- For installation on manifold 1" stainless steel
- Normally closed (NC)
- IP 54
- Fitting M30 x 1.5 thread
- Consumption one per loop on the manifold

ITEM NO

EAN NO

T30NC230	5060103691920	Actuator (230 V)
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Wireless thermostats

Wireless thermostat (battery)

- Wireless thermostat Battery included (4 x AA alkaline).
- Dimensions (mm) W: 86.5 H: 86.5 D: 26,5
- Temperature range 5–35°C

ITEM NO	EAN NO	
VS20WRF	5060103692354	White
VS20BRF	5060103692347	Black



Wireless thermostat (230 V) for recessed mounting

- Recessed thermostat connected with 230 V power supply, wireless communication with junction box.
- Can also be used as a repeater.
- Dimensions (mm) W: 86.5 H: 86.5 D: 16
- Temperature range 5–35°C

ITEM NO	EAN NO	
VS10WRF	5060103692330	White
VS10BRF	5060103692323	Black



App-controlled wireless thermostat

The discreet design and the fact that thermostat can only be controlled remotely make TS600 an optimal solution for public spaces or flats.

- Wireless thermostat Battery included (2 x AA alkaline).
- Dimensions (mm) W: 51 H: 85 D: 26
- Temperature range 5–32°C
- Requires UGE600 Gateway

ITEM NO	EAN NO	
TS600	5060103694457	App-controlled wireless thermostat



Wireless thermostat HTR-RF (20)

Elegant analogue thermostat

- Wireless thermostat Battery included (2 x AA alkaline).
- Dimensions (mm) W: 80 H: 80 D: 26
- Temperature range 5–35°C
- CANNOT be controlled remotely via a mobile app

ITEM NO	EAN NO	
HTR-RF (20)	5060103694402	Wireless thermostat



Starter pack wireless control

To help you select the products needed for a radiator system, we offer a starter pack with all the products required to control one radiator in one room. Add an additional wireless TRV for each radiator and a wireless thermostat for every room. Please note that one wireless thermostat can control a maximum of six TRVs.

BASIC starter pack

- One wireless TRV, TRV10RFM
- One wireless thermostat (battery) – white, VS20WRF
- One Internet/APP control (gateway), UGE600

ITEM NO	RSK NO	EAN NO	
SH-BAS	2987917	5060103693634	Basic starter pack



ADVANCED starter pack

- One wireless TRV, TRV10RFM
- One wireless thermostat (battery) – white, VS20WRF
- One Internet/APP control (gateway), UGE600
- One window/door sensor, OS600
- One smart plug, SPE600

ITEM NO	RSK NO	EAN NO	
SH-ADV	2987918	5060103693641	Advanced starter pack



Accessories wireless control

Repeater, wireless signal amplifier

- For 230 V plug or USB
- 230 V transformer included

ITEM NO	EAN NO	
RE10RF	5060103692590	Repeater



Repeater, signal amplifier

- For permanent installation in an electricity box or the included SRS600 enclosure

ITEM NO	EAN NO	
RE600	5060103694167	Repeater



Smart plug

- To turn off/on or timer-control e.g. fan heaters, lights, etc.
- 220 V AC 50 Hz
- Max. 16 A
- Requires UGE600 Gateway

ITEM NO	EAN NO	
SPE600	5060103693184	Smart Plug



Smart relay

- To turn off/on or timer-control e.g. fan heaters, lights, etc.
- 220 V AC 50 Hz max. 16 A
- For installation in electricity box or SRS600 surface enclosure
- Requires UGE600 Gateway

ITEM NO	EAN NO	
SR600	5060103694143	Smart relay



Enclosure for smart relay

- Surface mounting
- Cable strain relief

ITEM NO	EAN NO	
SRS600	5060103694150	Housing for the smart relay



Smart button

A button that can be programmed to fulfil different functions, such as activate/deactivate a smart plug or smart relay.

- Requires UGE600 Gateway

ITEM NO	EAN NO	
SB600	5060103693665	Smart button



Window/door sensor

- Wireless sensor that detects when a window or door is open and then switches off the heating
- Requires UGE600 Gateway

ITEM NO	EAN NO	
OS600	5060103693450	Window/door sensor



Internet/APP control (gateway)

- Connects to a WIFI router with a network cable.
- Wireless connection between junction box and gateway

ITEM NO	EAN NO	
UGE600	5060103693245	Gateway



Wireless TRV

- Wirelessly controlled actuator for a radiator valve, FS 36 or FS 65.
- Battery included (2 x AA alkaline).
- Dimensions (mm) W: 62, H: 105, D: 62
- Requires UGE600 gateway

ITEM NO	EAN NO	
TRV10RFM	5060103692743	M30 x 1.5 mm suitable for use with FS36/65
TRV28RFM	5060103693191	M28 x 1.5 mm suitable for MMA



Wired underfloor heating control 24 V

Room thermostat

- Setting range 5–30°C
- Dimensions 85 x 85 x 31 mm
- IP 30

ITEM NO

EAN NO

412 51	7350010412519	24 V
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Junction box

The master unit also controls the mixing unit's pump and has space for six room thermostats with individual actuators connected to each loop on the mixing unit. If there are more loops, the number of locations for thermostats/actuators can be increased with slave units.

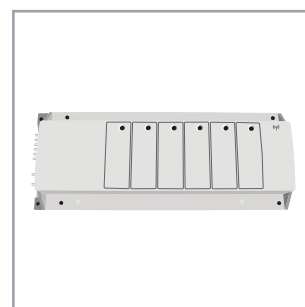
- Master unit with pump relay
- four/six channels
- Four LEDs indicate the statuses
- Used with room thermostats

ITEM NO

EAN NO

412 85	7350010412854	Master, six zones, 24 V
412 86	7350010412861	Slave, four channels, 24 V
412 87	7350010412878	Slave, six channels, 24 V
412 88	7350010412885	Transformer 230 V – 24 V

NB! Requires one of Item No 412 88



Actuator

- For installation on a manifold
- Normally closed (NC)
- IP 54

ITEM NO

EAN NO

T30NC24	5060103692255	Actuator 24 V, M30 x 1.5
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Marketing materials

Consumer product brochure

ITEM NO	EAN NO	
411 19-ENG	7350010411154	25 copies



Need something else?

Please contact your dealer with any requests you may have; we can provide spare parts for products no longer in production and much more, all with quick delivery times.

Calculations and design drawings

Drawings are included at no extra charge in all our m² prices, and are created after the order is placed. For other projects under 24 m², or if you wish to make changes to a drawing that has already been made, a fee will be charged.

ITEM NO	EAN NO	
411 00	7350010411000	Drawing/planning service

GUIDANCE & SUPPORT 8 AM–4 PM MONDAY–FRIDAY

010-221 64 00

info@floore.se

Delivery terms

Contact your dealer for returns or complaints.

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