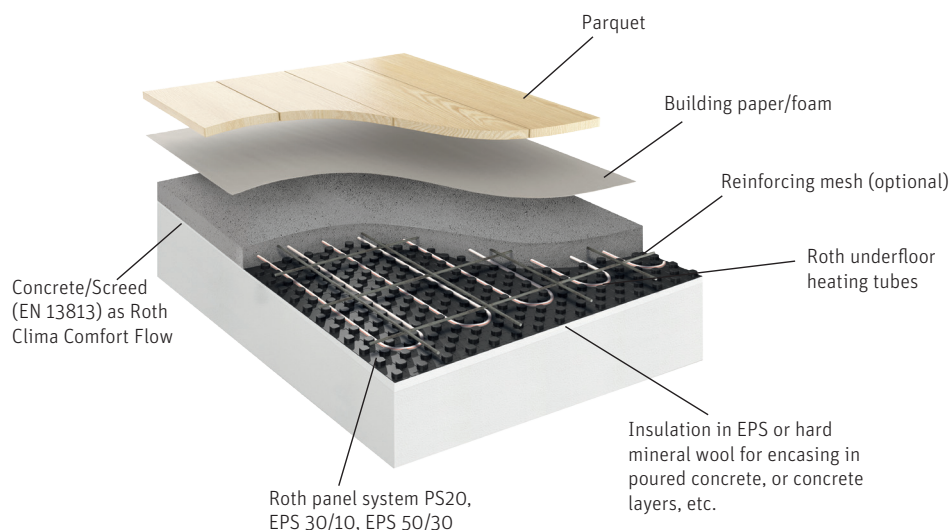


Roth panel system PS20, EPS 30/10, EPS 50/30



Description

Roth panel system PS20, EPS 30/10 and EPS 50/30 can be used for virtually all types of buildings where the underfloor heating pipes are to be embedded in poured concrete.

The Roth panel system PS20, EPS 30/10, EPS 50/30 provides a rational work flow when laying underfloor heating pipes. The system panels are laid out on the concrete floor or the other insulation. The panels are designed as with or without EPS on the back to secure against heat loss against the load bearing floor. The system is available in 3 different build heights with 10/30 mm EPS, or you can choose to use only the PS model of moulded plastic.

Technical data

Roth panel system PS 20/0	UK No. 1135006031
Roth panel system EPS 30/10	UK No. 1115007914
Roth panel system EPS 50/30	UK No. 1115007913
Roth connector for panel system	UK No. 7339298920
Roth pipe fastener, diagonal	UK No. 7339298910
Roth Clima Comfort edge insulation 160 mm, 25 m	UK No. 7339259030

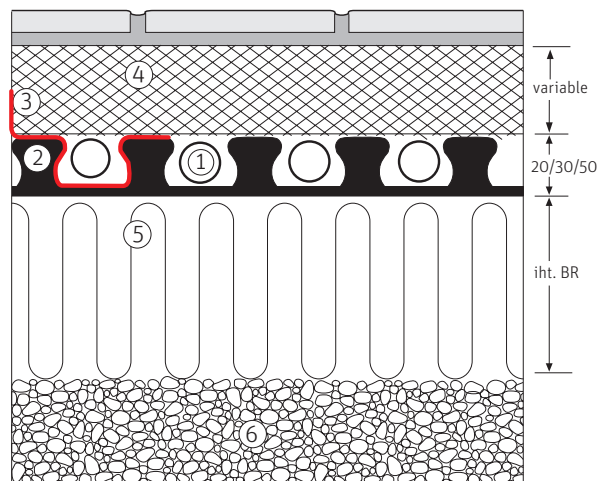
Important!

If you use the underfloor heating to dry the concrete, do this at a low flow temperature, typically 5 degrees higher than the concrete temperature. Always ask the concrete supplier before starting the drying process.

In larger buildings such as warehouses and industrial buildings, floors are divided into smaller areas and this is done using expansion joints.

The places where the underfloor heating pipes cross the joints must be protected against the movements of the concrete surfaces; this can be achieved using

Construction, measurements in mm



1. Roth underfloor heating pipes
2. Roth panel system PS20, EPS 30/10, EPS 50/30
3. Edge insulation/PE film
4. Concrete/Screed (EN 13813) as Roth Clima Comfort Flow
5. Insulation as per legal requirements
6. Sub-floor

Roth panel system PS20, EPS 30/10, EPS 50/30

	Roth panel system PS20, EPS 30/10, EPS 50/30		
UK No:	1135006031	1115007914	1115007913
Name:	Roth panel system PS 20/0	Roth panel system EPS 30/10	Roth panel system EPS 50/30
Measurements (mm) L x W x H:	1.450 x 950 x 20	1.450 x 950 x 30	1.450 x 950 x 50
Material:	PS/Plastic	EPS DEO 10 mm	EPS DES 30 mm
Impact noise improvement in accordance with DIN 4109 dB*:	-	-	28
Insulating ability λ W/m K:	-	0.035	0.040
Compressive strength kN/m ² :	-	45.0	5.0
Resistance to bending kPa:	-	480	200
Dynamic stiffness in accordance with DIN 18164 part 2 MN/m ³ :	-	20	30
Packaging unit:	20.1 m ² (pk)	16.4 m ² (pk)	10.8 m ² (pk)
Manufactures in accordance with:	DIN EN 13163		
Fire rating in accordance with DIN 4102-1:	Class E		
PS/Plastic PE film layer:	DIN 18560		
Overlap in mm:	50 mm overlap		
Material class:	82 DIN EN 13501-1 Class E		
CE labelled product:		EPS EN13163-T1-L 1-W1-S1-P3-BS480-CS(10)150	EPS EN 13163-L3-W3-TO-S5-P10-BS200-CS(10)90-SD(30)-CP2
Pipe spacing C/C 16 mm pipe:	Variable		

* Information based on hard floors on solid underlay and concrete with a mass > 70 kg /m².
Note that any kind of change of the above construction's load, must be checked and approved by a construction engineer.