

230V PTC UNDER FLOOR HEATING

Description

PTC (Positive Temperature Coefficient) The Calesco PTC heating film is a unique product. Designed for maximum reliability, and safety. The Calesco PTC heating film is self limiting product and will therefore minimise the risk of local overheating.

The Calesco heating film is a low profile heater (0,3 mm) based on a printed carbon track with copper band reinforced distribution tracks along both sides of the web.

The parallel circuits give a robust function of the heating element and this type of heater can in advantage be used as comfort heat together with wooden or laminate floors.

Technical specification

The PTC UFH film is approved up to 120 W/m², 230 V, by SEMCO in according with:

EN 60335-1:2002+A11+A1
EN 60335-2-96:2002+A1
EN 50336:2003

Types and packages

The heaters are available in 300 mm and 600 mm widths, with a power range of 120 W/m². The heaters can be ordered as a complete installation kit or for bigger volumes as piece goods. The package is only available in the width of 600 mm and power density of 120 W/m² @ 20 °C.

Piece goods:

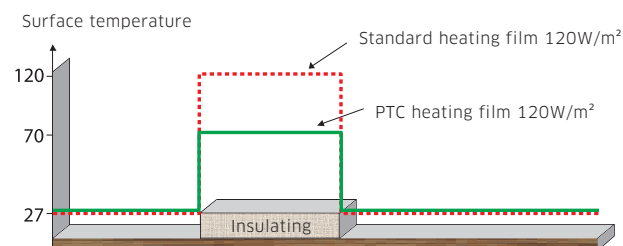
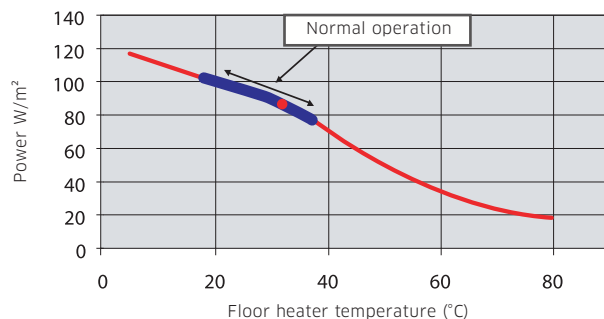
Part No.	Part	Width (mm)	Power W/m ²	Unit
PM905501	Floor heater	300	120	Meter
PM905500	Floor heater	600	120	Meter

Calesco 230V PTC, UFH kit:

Part No.	Part	m ²	Power W/m ²	Unit
OT905500	Heat package 10 m	0-10	120	pcs
OT905501	Heat package 15 m	10-15	120	pcs
OT905502	Heat package 20 m	15-20	120	pcs
OT905503	Heat package 25 m	20-25	120	pcs



Power characteristics of PTC Under Floor Heating element



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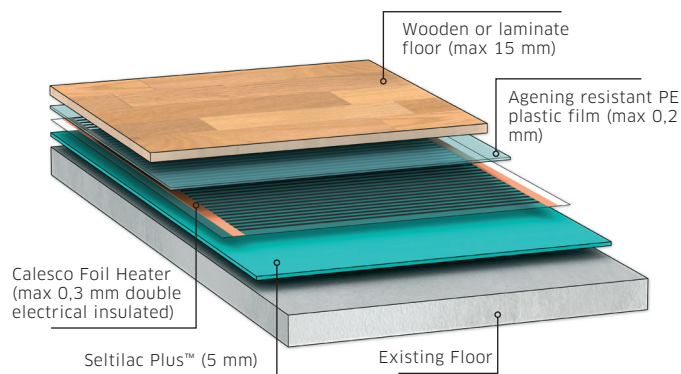
Installation

The heaters do not need to be glued or fastened with filler. This makes an easy installation of the heaters. The design gives also big freedom to cut the heaters in right lengths at the assembly. That gives the possibility to cover as much floor surface as possible.

To prevent heat leakage down to the ground and direct the heat, a 5 mm polysterene insulation (Seltilac Plus™ or eq.) have to be installed under the heating Foil. On top an age resistant 0,2 mm PE film has to be laid.

Accessories:

Part No.	Part	Unit
FG100115	CF Controller, OCD2-1999	pcs
FD969900	Installation Kit (for 5 foil lengths)	PCS
FF159000	RKK double insulated wire (blue)	2X11 meters
FB099900	PE film 0,2 mm (age resistant)	50 m ²
FL901001	Spiral hose (sensor protection)	2.5 meters
FK000026	Crimping tool	pcs
FB099921	Insulation (Seltilac Plus™)	5 m ²
FD220016	Installation tape	roll (66 m)



Benefits

- Self regulated power
- Secure design
- Slim profile
- Even heat distribution
- Robust function
- Easy installation

