

## Ecofloor Electric Underfloor Heating Cable Kits

Space for your imagination

- Easy to install - single end connection
- Low running costs
- Completely safe. CE compliant
- Easily controlled via room thermostat (supplied in kit)
- Maintenance free
- 10 year warranty
- Reduces condensation
- Minimises dust and air movement
- Frees up wall and floor space needed by conventional heating systems



Flexel

### Under floor heating for comfort and style

#### Kit includes

Drum mounted, thin double insulated and earth screened heating cable fitted with 3m long cold connection lead.

Twin conductor, 3mm overall thick cable requiring connection only from one end.

Template to plan cable runs.

16 amp dual function fully programmable thermostat fitted with 2 temperature sensors.

Automatic memory with manual override if required. 4 daily programmes with separate 7 day settings, vocational programme and optional day and night temperature settings.

Optimum start function calculates the most efficient start time for the system to achieve the required temperature at the programme time.

High impact adhesive fixing tape.

*Extension length cables available as ADSLIP twin conductor, earth screened cable, on drums.*

Full installation instructions. Manufacturers guarantee.



Flexel



### SIZING GUIDE

Select heating level required:

A 160W/m<sup>2</sup>, B 130W/m<sup>2</sup>, C 100W/m<sup>2</sup>

Calculate the total usable room floor area with allowance to avoid fixed furniture such as kitchen units and bathroom sanitary fittings.

Select the nearest size kit below usable area.  
Example background heating to a free floor area of 8.0m<sup>2</sup> Type 10750 (7.50m<sup>2</sup>) – 750 Watts.



Clean the floor thoroughly and fix the cold connection to its planned location, secure with the tape provided.



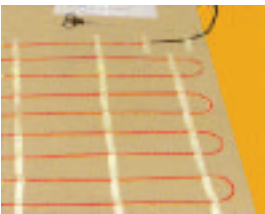
Clearly mark area to be heated. Install the first loop for the heating using the template.



Fix the cable to the floor at the intervals given for the required heating output.



Continue to lay the cable using the template to confirm correct distances for heat levels needed.



Continue until the cable installation is complete. The cable must fit within the installation area.



If using the floor probe for installation mark out where the protective flexible pipe should be located.



Cut a channel in the wall and floor 2cm leading from the thermostat and 0.5m out into floor, fit flexible pipe.



On no account must any excess cable be cut. The surface can then be smoothed over by a straight edge blade, taking care not to damage the cable.

The kit can be installed to give outputs of:

- A 160W/m<sup>2</sup> for optimum heating output
- B 130W/m<sup>2</sup> for comfort heating
- C 100W/m<sup>2</sup> for background heating (recommended for laying under timber floors)

**A fully qualified electrician must check final resistances and make sure cable has not been damaged while covering with floor finish. Final connection to the junction box must be made by the electrician.**

**Make a note of final readings and store them in a safe place adjacent to the distribution board.**



### Flexel International Limited

www.flexel.co.uk

Queensway Industrial Estate, Glenrothes, Fife KY7 5QF Scotland

Tel: +44(0)1592 757313 Fax: +44(0)1592 754535 Email: sales@flexel.co.uk

### GUARANTEE

Flexel Ecofloor cable is covered by a 10 year manufacturer's warranty provided that it has been installed strictly in accordance with installation instructions and in accordance with all necessary electrical regulations. The thermostat is covered by a 1 year manufacturer's warranty.

*Care should be taken not to thermally block any part of the heated floor as this could result in localised overheating and possible damage to the surface.*

Code	Output (Watts)	Heated Floor area coverage (m <sup>2</sup> )			Resistance (ohms)
		Cable spacing - 7 (160)	9 (130)	11 (100)	
EK 10200	200	1.2	1.6	2.0	264
EK 10250	250	1.6	2.0	2.5	212
EK 10320	320	2.0	2.6	3.2	165
EK 10400	400	2.5	3.2	4.0	132
EK 10450	450	2.8	3.6	4.5	118
EK 10600	600	3.7	4.8	6.0	88
EK 10750	750	4.7	6.1	7.5	70
EK 10950	950	5.9	7.7	9.5	56
EK 101100	1100	6.9	8.9	11.0	48
EK 101300	1300	8.1	10.5	13.0	41
EK 101700	1700	10.6	13.1	17.0	31
EK 102000	2000	12.5	16.2	20.0	26
EK 102300 (EK1700+AD600)	2300	14.3	17.7	23.0	23
EK 102600 (EK2000+AD600)	2600	16.2	20.0	26.0	20
EK 102950 (EK2000+AD950)	2950	18.4	22.7	29.5	18
EK 103300 (EK2000+AD1300)	3300	20.6	25.4	33.0	16
EK 103700 (EK2000+AD1700)	3700	23.1	28.5	37.0	14

Your supplier will recommend suitable materials for installation and priming: