

# D.R. Distribution

*The Heating Specialists*

## IN SCREED & UNDER TILE FLOOR HEATING

### **IN SCREED FLOOR HEATING**

- Suitable for any new or existing area where a 10-25+mm concrete screed can be poured over the heating cable.
- This includes upstairs bathrooms where the cables are laid on the waterproof membrane prior to the screed pour.
- The heating cables are fixed on the existing floor & then are covered by a concrete screed.
- Monitoring the cables during the screed pour may be optional & is recommended.

### **UNDER TILE FLOOR HEATING**

- Suitable for any existing area where raising the floor level with a screed is not desirable.
- The very fine heating cable is fixed to the existing floor and then either the surface is made flat with a self levelling compound or the cables are simply covered by the tile adhesive.

### **CONTROL**

- Under tile heating uses a low output that is used on demand.
- Each area heated is controlled by it's own thermostat which is selected to provide optimum performance, comfort & flexibility for your application.

### **VALUE**

- Floor heating is available at a very affordable price & once installed will provide a lifetime of maintenance free operation.
- A 10 year manufacturers warranty is available for all cables.
- Our floor heating cables have been used for many years in Australia as well as world wide & ave proved to be exceptionally reliable under all conditions.

### **CHOOSING THE CORRECT SIZE HEATING UNIT**

- The actual floor area to be cabled determines the size of the heating unit.
- Exclude fixtures such as shower cubicle, toilet, cupboards etc.



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### UNDER TILE (NO SCREED)

| <u>CODE</u> | <u>KW</u> | <u>LENGTH</u> | <u>INSTALL AREA M2</u> |
|-------------|-----------|---------------|------------------------|
| UTHK/200    | 0.2       | 17            | 1.33 M2                |
| UTHK/300    | 0.3       | 25            | 2.0 M2                 |
| UTHK/400    | 0.4       | 35            | 2.67 M2                |
| UTHK/500    | 0.5       | 43            | 3.33 M2                |
| UTHK/600    | 0.6       | 53            | 4.0 M2                 |
| UTHK/700    | 0.7       | 63            | 4.67 M2                |
| UTHK/800    | 0.8       | 72            | 5.33 M2                |
| UTHK/900    | 0.9       | 82            | 6.0 M2                 |
| UTHK/1000   | 1.0       | 91            | 6.67 M2                |
| UTHK/1250   | 1.25      | 118           | 8.33 M2                |
| UTHK/1750   | 1.75      | 168           | 11.67 M2               |
| UTHK/2000   | 2.0       | 189           | 13.33 M2               |
| UTHK/2500   | 2.5       | 235           | 16.67 M2               |
| UTHK/3000   | 3.0       | 294           | 20.0 M2                |
| UTHK/3500   | 3.5       | 1500 & 2000   | 23.33 M2               |
| UTHK/4000   | 4.0       | 2X 2000       | 26.67 M2               |
| UTHK/5000   | 5.0       | 2000 & 3000   | 33.33 M2               |
| UTHK/6000   | 6.0       | 2 X 3000      | 40.0 M2                |

### IN SCREED

| <u>CODE</u> | <u>KW</u> | <u>LENGTH</u> | <u>INSTALL AREA M2</u> |
|-------------|-----------|---------------|------------------------|
| ELECB04     | 0.4       | 15 M          | 1.5-1.8 M2             |
| ELECB05     | 0.5       | 19 M          | 1.9-2.6 M2             |
| ELECB07     | 0.7       | 27 M          | 2.7-3.8 M2             |
| ELECB10     | 1.0       | 39 M          | 3.9-4.7 M2             |
| ELECB12     | 1.2       | 48 M          | 4.8-5.5 M2             |
| ELECB13     | 1.35      | 52 M          | 5.6-6.9 M2             |
| ELECB16     | 1.6       | 56 M          | 7.0-8.9 M2             |
| ELECB18     | 1.8       | 71 M          | 9.0-12.0 M2            |

### **INSTALLATION SUMMARY FOR UNDER TILE METHODS**

Please read the provided manual prior to your installation: The incorrect installation of the heating element may lead to damage and would invalidate your warranty.

- Before you can commence an electrician must have installed a draw wire, flush box and power to the flush box
- The heating element must only be installed as per the instructions.
- The heating element MUST NOT be cut, shortened or the cold tail join be put under any strain.
- A licensed A Class Electrician must conduct all electrical work relating to this installation in accordance with all relevant Building Regulations.
- The cable can be laid on all floor surfaces that are suitable for tiling.
- The element must be protected prior to and during the tiling procedure. There are two methods of protection, Screeding & by a fibreglass mesh. Our recommendation is by Screeding.
- It is imperative to install the appropriate product for your substrate. Incorrect Screeding procedure can lead to cracking of floor tiles. Check screed manufacturers specifications prior to commencing installation.
- The elements have completed comprehensive testing. However, immediately prior to tiling, check the continuity of the element. It should match the Ohm rating listed below, with a tolerance of -5%/+ 5%. Also check the insulation resistance between the conductor and the earth screen = infinity.

### **INSTALLATION SUMMARY FOR IN SCREED METHODS**

- Installation must be carried out by a qualified electrician to comply with local wiring regulations
- Cable to be kept a minimum of 75mm away from walls, cupboards, toilets & any fixtures in the area to be heated.
- Cables to be spaced at a minimum of 75mm apart to avoid overheating & at a maximum of 15cm to give good coverage. Spacing's of 10cm give optimum results.
- Cables to be laid in accordance with the required spacing (180-220mm).
- It is recommended that all of the heating cable & cold lead connection be covered by a concrete screed in a minimum thickness of 10mm.
- To avoid damage cables must not be left lying unprotected. Tiles should be laid immediately after laying cables.

*D.R. Distribution Pty.Ltd.*

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