

# 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.



# D.R. Distribution

## The Heating Specialists

100MM SPACING	WATTAGE	INSTALL AREA M2	LENGTH M
SMCT0490	490	1.57	15
SMCT0650	650	2.1	20
SMCT0820	820	2.625	25
SMCT0850	887	3.05	29
SMCT1100	1147.8	3.99	38
SMCT1400	1460.9	4.94	47
SMCT1700	1773.9	5.99	57
SMCT2000	2086.9	7.04	67
SMCT2250	2347.8	8.25	75
SMCT2500	2608.7	9.24	84
SMCT2800	2921.7	10.34	94
SMCT3350	3495.6	12.32	112
SMCT4000	4173.9	14.74	134
SMCT4500	4500	16.5	150

### 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.*

A.B.N. 42 055 448 952 A.C.N. 055 448 952

Phone (02) 9618 3842 Fax (02) 9829 2603

Unit 9 No 3 Lancaster St Ingleburn NSW 2565 P.O.Box 568 Ingleburn NSW 1890

[www.drdistribution.com.au](http://www.drdistribution.com.au)