

# Amuheat Cable Mat Installation Manual

Installation guidelines for installing the  
Amuheat Cable Mat under tile and stone



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# Important Installation Guidelines

- ✓ Read the installation guide before starting the installation
- ✓ You can install Amheat Cable Mat directly under ceramic tile, quarry or natural stone, or embed the heating element in a min 10mm self leveling compound or screed for all floor finishes including carpet, vinyl, bamboo, timber and laminates
- ✓ Concrete subfloors must be fully cured before installation commences and timber subfloors must be rigid and free from movement by using a suitable tile backer or insulation board
- ✓ Plan your layout and installation taking into consideration all fixed objects and where you may need to drill into the floor
- ✓ Ensure you have the correct heating mat size before installation
- ✓ Do not leave surplus matting rolled up under cabinets and do not cut, shorten or lengthen the heating element
- ✓ Ensure the heating mat is tested before, during and after installation
- ✓ If you remove the heating element from the fibreglass mesh for a free form run layout, maintain a min 75mm max 100mm distance between the heating elements
- ✓ Avoid crossing the heating element, floor sensor wire or cold tail leads over or under each other and one another and do not overlap strips of mesh
- ✓ Multiple heating mats connect to the thermostat in parallel - the cold tail leads cannot be joined and buried in the ground
- ✓ Do not drop or rest any heavy objects or tools on the heating element.
- ✓ Protect the heating element with cardboard or scraps of carpet between installation and tiling
- ✓ Test the heater before tiling commences
- ✓ Use adhesives and grouts suitable for use with floor heating
- ✓ Ensure that each tile is solidly bedded in tile adhesive, with no gaps or voids beneath
- ✓ Do not bang a trowel on the floor area with heating element to remove excess mortar from the trowel and do not use a knife to clean adhesive from between the tiles along the grout spacing
- ✓ Remember to install the floor probe
- ✓ Make sure all electrical work is done by a qualified electrician and check your electrician provides a mains power supply connected via a RCD circuit
- ✓ Allow the tile adhesive to cure before switching power to the floor heating system
- ✓ Keep your heating design plan sketching and layout changes for future reference

# Required Materials and Tools

## Materials and Components

### Before you start

Check your room measurements against your heating design plan or quoted floor areas. Ensure you have the right heater sizes for the areas you need to heat. Remember that the heating element is not installed under permanent fixtures or appliances. If you are missing any of the kit contents or have the incorrect heating mat to cover the floor area you require call Amuheat Support.

#### The Amuheat Cable Mat Kit includes:

- Cable Mat heater
- Element Fault Monitor
- Programmable thermostat control
- Floor temperature sensor
- Adhesive tape
- Heating design plan
- Cable Mat installation guide
- Thermostat operating guide
- Warranty registration

*You may also have a 20A contactor if you are installing multiple heating mats connected to one thermostat where the load capacity exceeds 16A.*

#### The following tools and materials may be required for a successful installation:

- Bondcrete (& paint tray and roller) or adhesive spray to prime the floor
- Scissors (to cut the fibreglass mesh)
- Permanent marker/Construction crayon & Tape measure
- Chisel & hammer or Angle grinder (to recess joints & conduits in subfloor)
- Cardboard or carpet scraps (to protect the heater if tiling is delayed)
- RCD switch on electrical board (supplied and fitted by your electrician)
- 25mm Conduit for cold tail leads & 20mm conduit for floor temperature sensor
- Wall box, plate or c-clip (for mounting thermostat on the wall)

# Compatible Sub-floors

## Overview and recommendations

### Overview

Suitable sub-floors must be correctly designed, constructed and prepared in accordance with building regulations. These include:

- 1) Plywood or Cement Boards
- 2) Smooth Concrete Slab
- 3) Waterproof Membranes
- 4) Acoustic Underlay
- 5) Insulation Boards
- 6) Ceramic Tile
- 7) Sand Cement Screed

### Recommendations

Our recommendation below is only intended to provide an outline guide to the floor preparation required and protection of the Amuheat Cable Mat during floor finish installation.

**Concrete Slab** - The concrete slab must be completely cured, clean, smooth and level.

**Timber Subfloors** - Suitable substrates such as fibre cement boards should be used on timber floors to ensure the subfloor is rigid and free from movement.

**Insulation** - It is generally accepted that floor heating will take the chill off the floor and provide some comfort warmth. Insulating concrete slabs and timber subfloors will reduce heat losses downward. Rooms will also stay warmer for longer periods of time.

**Protecting the Amuheat Cable Mat** - Proper care should be taken to ensure the heating cable is not damaged during the floor heating or floor covering installation. Heavy cardboard or carpet scraps should be used to protect the heater cables from traffic during the flooring installation. For the best results, cover the heater with a flexible floor leveling compound. This protection is not needed where a sand cement mixture is to be applied on top of the heating element.

# Electrical Requirements

## RCD Supply, Connection and Rough-in

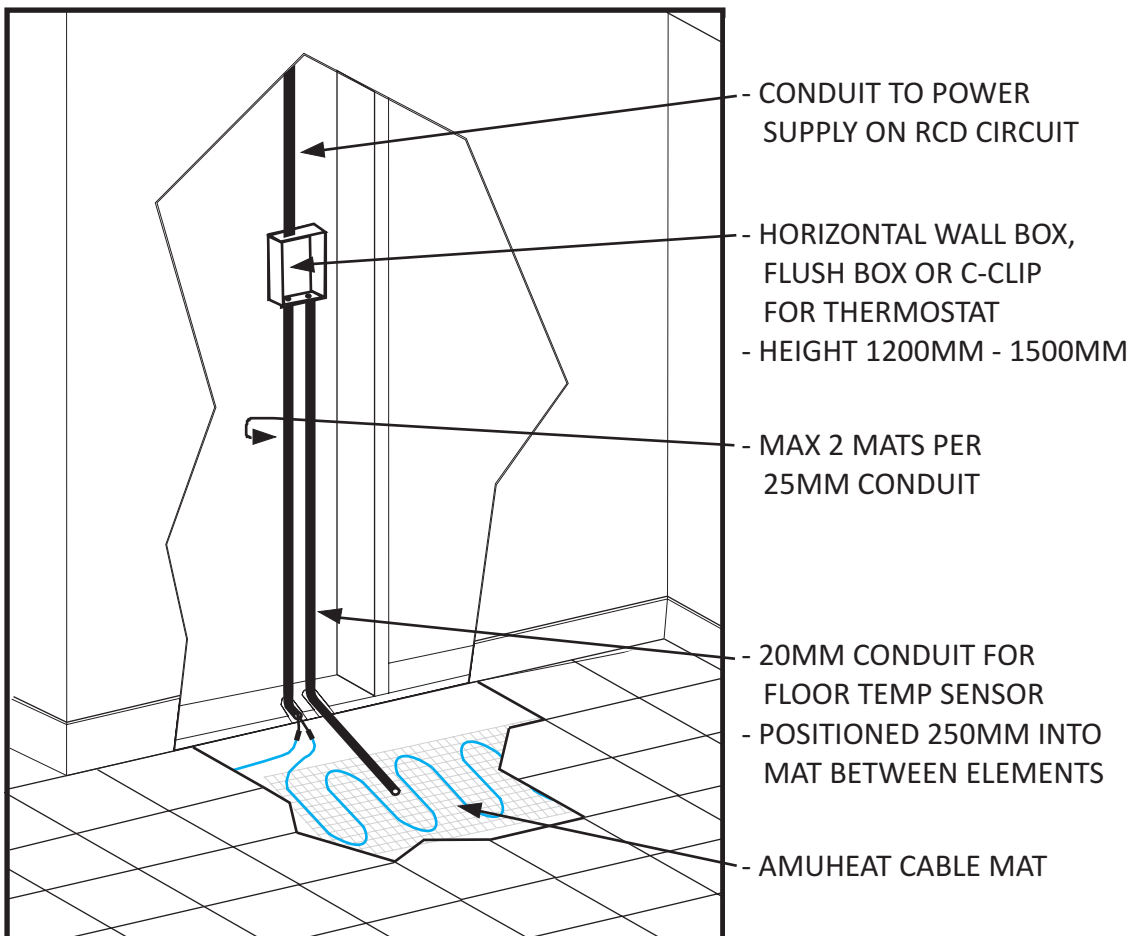
### RCD Supply

Amuheat Cable Mat installations must be connected to a supply with an approved Residual Current Device (RCD) mounted on the switchboard. It is recommended you consult with your electrician to ascertain whether or not the circuit and cabling can handle the additional load and if a RCD is protecting the circuit.

### Electrical Connection

All electrical connections (including thermostats) must be performed by your electrician, in accordance with current AS/NZ 3000 wiring rules.

### Electrical Rough In

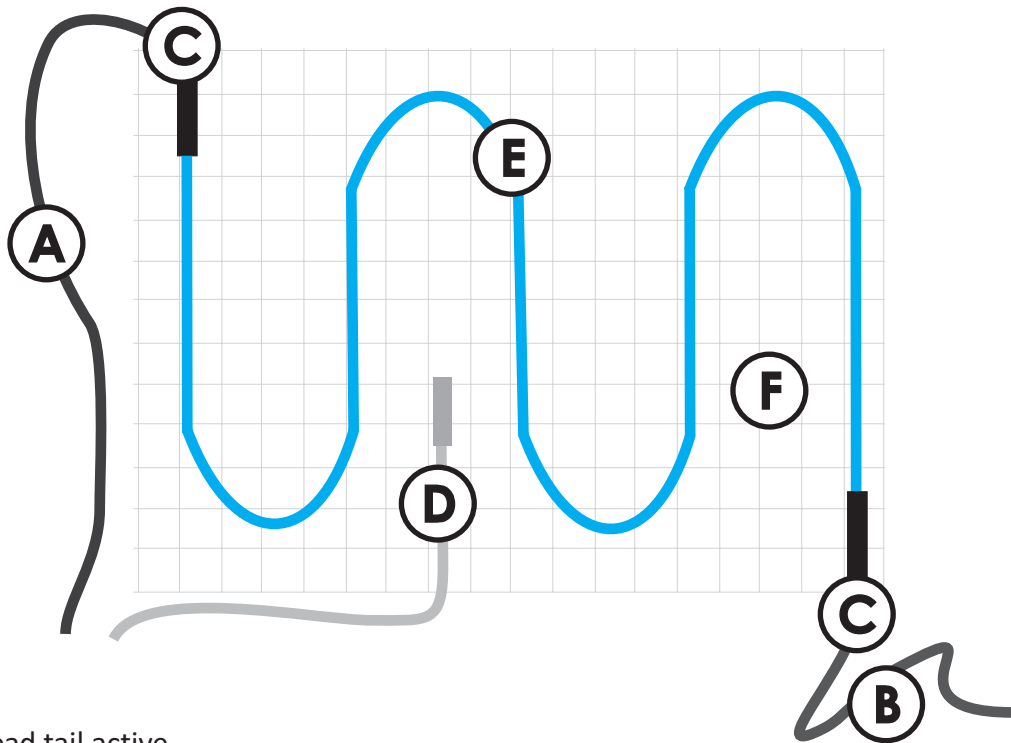


# Getting Started

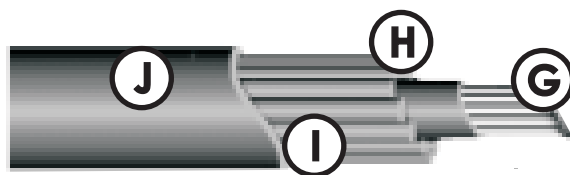
## Amuheat Cable Mat

### Construction

The Amuheat heating cable is attached in a serpentine pattern to a flexible fiberglass mesh. The fiberglass mesh is designed to keep the heater element evenly spaced throughout the roll. The adhesive tape strips on the fiberglass mesh allow the heating mat to be stuck to the sub-floor. The two cold lead tail return wires have factory-made joints, and run back to the thermostat/power supply along the perimeter of the heated space.



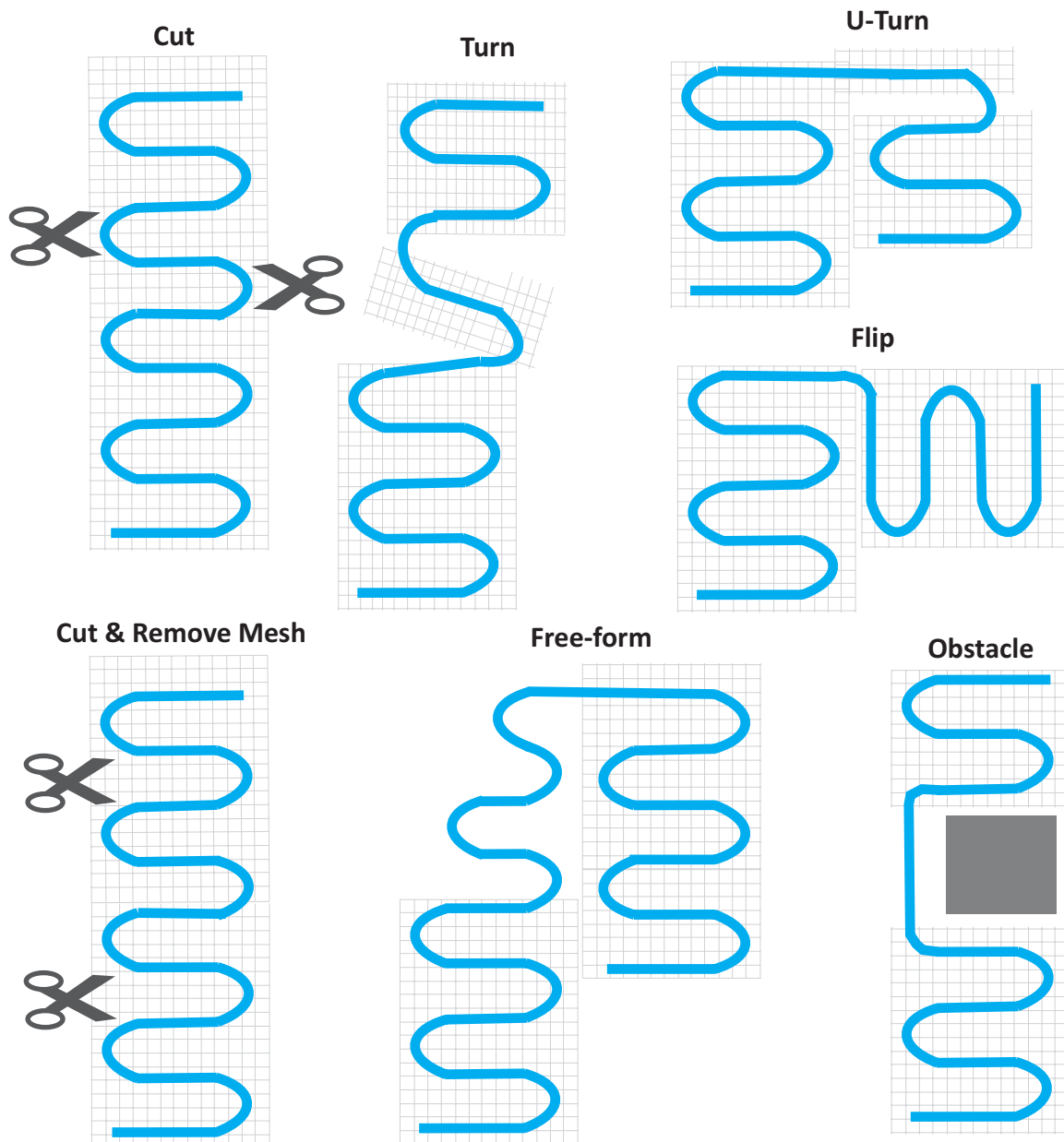
- A Cold lead tail active
- B Cold lead tail neutral
- C Factory-made joint
- D Floor temperature sensor
- E Heating element
- F Fibreglass mesh w/ adhesive strips
- G Multi strand conductor wire
- H Primary insulation
- I Steel earth braid
- J Secondary insulation



# Getting Started

## Modifying the Amuheat Cable Mat

When installing Amuheat Cable MAT in a small space or around fixed objects, it may be necessary to cut and turn the heater mat. NEVER cut the heating element. When cutting and flipping, take care not to cut or damage the heating element. **Never allow strips of mesh to overlap.** If you remove the heating element from the mesh for a custom or free form, maintain a min 50mm and max 75mm spacing between the heating elements.



# Getting Started

## Testing the Amuheat Cable Mat

The Amuheat Cable Mat heater is tested and supplied in good working order from the factory. Before installing the heating cable mat, insulation and resistance tests should be conducted to ensure the integrity of the cable.

### Resistance Test

To ensure continuity in the Amuheat Cable:

- Set the multi meter to measure in 0-200 Ohms.
- Place one probe on the active conductor and the other on the neutral conductor.
- Confirm your reading falls within +/- 15% of the factory recorded value listed on the product label. Record the reading in the Test Log on page 18 of this guide.
- If installing an Amuheat Floor Temperature Sensor, test the sensor probe as well. Set the multi meter to 20K Ohms. Probe wires should read between 8K-12K Ohms.
- If your installation uses two or more cable mats per zone, label each heating mats cold tail lead with corresponding mat numbers (eg. "M1", "M2", etc.).

### Insulation Test

To ensure the heating conductor is insulated:

- Set the multi meter to measure in 0-200 Ohms.
- Place one probe on the active conductor and the other on the corresponding earth wire.
- Confirm your reading is open circuit or infinity.
- Repeat this step on the neutral conductor and it's corresponding earth wire.
- Then, using an insulation tester, megger the active-neutral leads to earth leads on 500V.

If at any time your readings are not in line with the guidelines above, or you suspect there is a problem, stop installing immediately and contact Amuheat Support.

**The Amuheat Cable Mat heaters must be tested:**

- **Before and after the heating installation.**
- **After the floor finish installation.**
- **Before the electrician connects power to the heater.**

# Getting Started

## Amuheat Element Fault Monitor

The element fault monitor will immediately beep when a short or break in the heating element is detected and alerts the flooring contractor to a potentially damaged heating element before he lays the tiles over the floor heating system.

Before connecting any wires to the element fault monitor, install the batteries in the device and turn it “on”. The alarm should sound and the red light should light up.

During normal use, the green light indicates the element fault monitor is monitoring the cable mat for damage. Should the green light go out at any time, replace the batteries.

Provided the alarm is in good working order, connect the cold tail lead wiring to the Element Fault Monitor as follows:

- Connect active conductor to terminal L1.
- Connect neutral conductor to terminal L2.
- Connect both earth leads to terminal E.

Switch the element fault monitor to “on, and hang or position the unit so it can be seen and heard during the flooring installation.

A red light and alarm indicates the lead wires have come loose from the terminals or damage has occurred and of these conditions are met:

- Open circuit between L1 & L2
- Short circuit L1 & E
- Short circuit L2 & E
- Short circuit L1 or L2 & E

# Getting Started

## Plan Installation Layout

It is VERY IMPORTANT to plan the installation before securing the Amuheat Cable Mat to the sub-floor.

### Amuheat Design & Layout

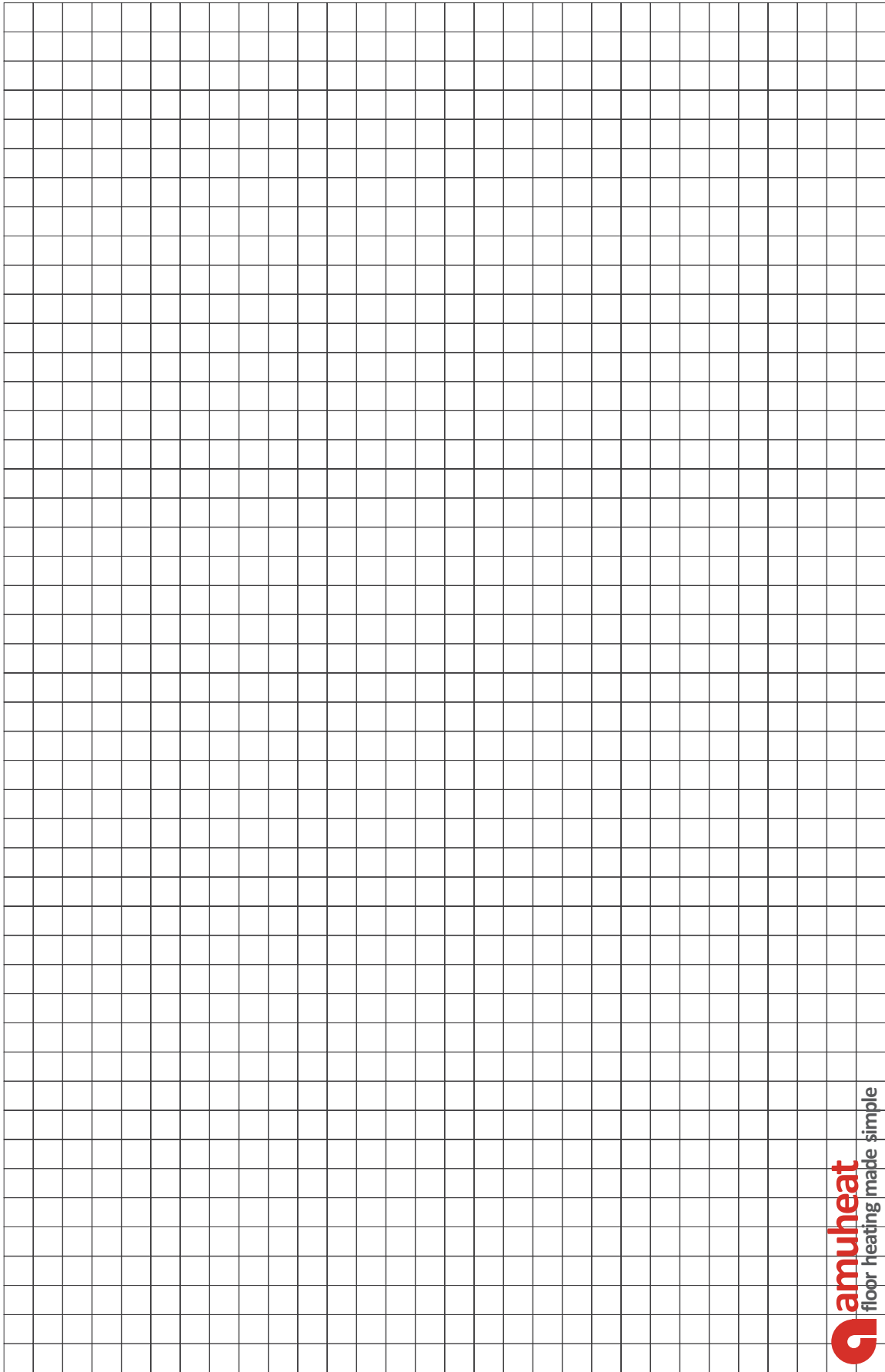
Amuheat provide a design and layout service to assist in planning the installation. Take a moment to double-check that your heating design plan has the proper room dimensions and that you have the correct size and number of heating mats. Once the heating mat has been cut it cannot be returned. If in doubt, contact Amuheat support.

### Design your own Layout

Follow these steps to assist you in planning the design and installation:

1. Draw the room dimensions to scale on a piece of paper
2. Mark and draw the dimensions of all permanent fixtures including drains, toilets, etc.
3. Mark the position of the supply and thermostat. This will also be the position of the Cable Mat' start and end point. The heating cable joints will be positioned on the sub-floor below the thermostat position.
4. Mark the widths and runs of the cable mats on available floor areas. The heating mats measures 500mm wide and must be kept 100mm from all permanent fixtures
5. Remember to allow a buffer around the perimeter where one of the heater cold tail leads will run along.
4. Measure lengths of the runs
5. Look up the Amuheat Cable Mat size close to your calculations.

Product Code	Heating Cable Width & Length (mtr)	Product Code	Heating Cable Width & Length (mtr)
CMK300-20	.5 x 3	CMK750-15	.5 x 10
CMK400-20	.5 x 4	CMK900-15	.5 x 12
CMK500-20	.5 x 5	CMK1200-15	.5 x 16
CMK700-20	.5 x 7	CMK1500-15	.5 x 20
CMK800-20	.5 x 8	CMK1800-15	.5 x 24
CMK900-20	.5 x 9	CMK2100-15	.5 x 28
CMK1000-20	.5 x 10	CMK2400-15	.5 x 32
CMK1200-20	.5 x 12	CMK2700-15	.5 x 36
CMK1400-20	.5 x 14	CMK3000-15	.5 x 40



# Installation

## Installing the Amuheat Cable Mat

### **Step 1 Electrical Preparation**

- The Amuheat Cable Mat is supplied with two cold tail leads which run from the floor to the thermostat in 25mm conduits (limit 2 heating mats per conduit).
- The floor temperature sensor requires its own conduit and should not be placed in the same conduit as the cold tail leads.
- Neither the cold tail leads or sensor wire should cross, or come into contact with the heating cable.

### **Step 2 Floor Preparation**

- It may be necessary to chisel out a short channel in the subfloor to minimise the increased height presented by the joints, cold tail leads (2 leads per heating mat) and conduits.
- The factory-made joints connecting the heating cable and cold tail lead must be at least 100mm from the wall, 50mm apart and in a position to be covered by the adhesive and tile.
- The separate capped conduit for the floor temperature sensor should extend into the room to lay at least 250mm from the edge of the heating mat, between two heating cables.
- Thoroughly clean the floor. Ensure the surface is completely clean, dry and dust free.
- At this step, only prime the floor if using bondcrete and allow to dry.

### **Step 3 Mark-out Layout**

- Referring to your heating layout design, mark out the areas on the sub-floor where permanent fixtures will be fitted.
- Mark out the position of the heating mat and of any turns, flips and where free form spaces will be located, starting at the thermostat location.
- Mark the planned route of the returning cold tail lead from the end of the heating mat.
- This is the last time you can make sure that the length of heating mat required is the same as the length of the heating mat you have.

***! Note: Conduct insulation and resistance tests (refer to page 8)***

# Installation

## Installing the Amuheat Cable Mat

### Step 4 *Position Cable Mat*

The Amuheat Cable Mat is designed for installation with the heating element below the fibreglass mesh. The application of tile adhesive and flexible floor leveling compounds will be easier with the heating cable below the mesh. The mesh also offers some protection during the floor installation.

- Identify cold tail lead at the end of the mat and tuck these into the cardboard core.
- Unroll the heating mat starting at the closest point to the thermostat.
- Ensure the separate capped conduit for the temperature floor sensor extends into the room to lay at least 250mm from the edge of the heating mat, between two heating elements.
- Cut and modify the heating mat as per marking up on the sub-floor. ***Be careful not to cut the heating element or fold the heating mat sharply as any sharp kink may damage the heating cable. Only cut the fibreglass mesh.***
- Where you remove heating cable from the mat for free form runs, maintain a distance between cables similar to that on the Amuheat Cable Mat - approx 75mm.
- When you are close to completing the layout of the heating mat, remove enough heating element from the mesh and tape to return the heating element along the side of the heating mat to position the joint and cold tail lead at the starting point.

**If you are installing multiple heaters into one room and using one thermostat, you will need to ensure all the cold tail leads start and finish at the same point. Do not join the cold tail leads or heating elements wire together.**

### Step 5 *Stick down Cable Mat*

- If you have not already primed the floor with bondcrete, spray the sub-floor with adhesive spray along the areas where the adhesive strips on the underside of the heating mat meet the floor, or where the heating element requires taping in free form runs. The spray adhesive acts as a primer for the tape and should only be used where the element is to be taped to the floor and allow to cure.
- Remove the backing off the tape and stick the heating mat to the floor.
- Use adhesive tape to fix the heating element in free form runs and the heating cable returning the cold tail lead to the start point. Ensure you maintain equal distances between heating cables similar to that on the Amuheat Cable Mat - approx 75mm.

***! Note : Never overlap the heating mat, element or cold tail leads. Heating mats and elements that overlap will cause dangerous overheating and cold tail lead wires that overlap the heating element may cause a short circuit.***

***! Note: Conduct insulation and resistance tests (refer to page 8)***

# Install Floor Coverings

## Protecting Amuheat Cable Mat

Ensure you use tile adhesives and grouts suitable for use with underfloor heating systems (they must contain a flexible additive). It is important that each tile is solidly bedded in tile adhesive, with no gaps or voids beneath them.

### Laying Tiles Directly onto Cable Mats

- Apply a layer of tile adhesive (minimum 10mm) over the heating mat and lay the tile or stone directly into this layer of tile adhesive.
- Avoid careless use of the trowel. This can cause damage to the heating cable, so avoid placing, dropping or banging tools directly on the heating element.
- Heavy cardboard or carpet scraps should be used to protect the heating cables from traffic during the flooring installation. *For the best results, cover the heating mat with a flexible floor leveling compound.*
- ***When installing mosaic tiles and certain porcelain tiles, we recommend covering the heating mat with a flexible floor leveling compound before tiling to ensure a flat smooth surface.***
- Conduct resistance and insulation tests.

### Laying Tiles onto Screed

- ***Where a sand cement screed is applied on top of the heating element, the extra protection offered by the flexible floor levelling compound over the heating mat, or for tiling mosaic and certain porcelain tiles is not required.***
- Care should be taken to not damage the heating cable when bedding or leveling the sand cement mixture over the Amuheat Cable Mat.
- Do not mix or shovel the sand cement mixture over the heating cable and do not use wheelbarrows over the heating mat.
- *To achieve a warm up time of approximately one hour, the amount of material above the heating element should not exceed 40mm.*
- Conduct resistance and insulation tests.

### Curing Time

- Ceramic tile and stone installations require up to 14 days for the adhesive to cure. You must allow the adhesive to fully cure before the Amuheat floor heating system is switched on. Failure to do so may result in damage to the heating cable and cause the adhesive to become brittle.

# Troubleshooting

## Locating a break or short

### Checking For Breaks

To determine if there is a break in the heating cable under the floor:

- Set the multimeter to measure in 0-200 Ohms.
- Place one probe on the active conductor and the other on the neutral conductor.
- Confirm your reading falls within +/- 15% of the recorded value before during and after installation.
- If your Ohm reading is lower (outside the 15% range), but there is clearly some continuity, check your Ohm meter and your batteries.
- If you have absolutely no reading (= infinity on your meter), then there is a break (= total cut) in the conductor.

### Checking For Electrical Short

To determine if there is a short in the heating cable under the floor:

- Set the multimeter to measure in 0-200 Ohms.
- Place one probe on the active conductor and the other on the corresponding earth wire.
- Confirm your reading is open circuit or infinity.
- Repeat this step on the neutral conductor and it's corresponding earth wire.
- Place one probe on the active conductor and the other on the active earth wire.
- If you have continuity between either the active-earth or neutral-earth combinations, there is a short in the heating cable.

### Locating a Break or Electrical Short

There are several ways to locate breaks or circuit shorts mathematically or with underground fault detectors. For more information, contact Amuheat Support.

# Troubleshooting

## Repairing the Amuheat Cable

### Tools & Materials Required

Tools and materials you may need to carry out a successful repair include:

- Ferrule connectors or solder
- Electrical wire
- Heat shrink
- Knife blade
- Open flame (lighter or match)
- Crimp tool or pliers
- Hot glue gun and glue sticks

### Cable Repair

- Cut the damaged piece of heating cable out
- Using a knife blade, carefully strip the outer PVC layer from both ends of the exposed heating cable.
- Separate and twist the earth core away from the inner conductor on both ends of the exposed heating cable.
- Using an open flame, burn the inner Teflon layer from the conductor wire from both ends of the exposed heating cable.
- Measure the length of electrical wire required to join the two exposed ends of the heating cable, and using the knife blade, strip away some of the insulation.
- Using a ferrule or solder connect the one end of the heating cable conductor to a piece of electrical wire.
- Slide a piece of heat shrink over the join, and seal under an open flame.
- Slide a second piece of heat shrink over the electrical wire. Using a second ferrule or solder, connect the other end of the electrical wire to the other exposed heating cable conductor. Slide the second piece of heat shrink over the join and seal under an open flame.
- Repeat these steps to repair the earth wire.
- Conduct resistance and insulation tests on the heating cable prior to connection. Compare the results with those taken before, during and after the heating and flooring installation.
- Recess the join in a chiseled channel and cover with hot glue melt.

# Electrical Connections

## Connecting the Supply and Thermostat

### Electrical Connections

Programmable floor-sensing thermostats offer the best control over floor temperature and maximises energy savings. Users can program specific days and times they want their floor heating system turned on or off.

All electrical connections including the thermostat must be performed by your electrician, in accordance with current AS/NZ 3000 wiring rules.

- The Amuheat Cable Mat cold tail leads must be pulled up, in a conduit, to the electrical supply/thermostat position on the wall.
- The supply must be connected on a RCD circuit.
- The heating cables earth wire must be connected to the mains supply earth.
- Conduct resistance and insulation tests on the heating cable prior to connection. Compare the results with those taken before, during and after the heating and flooring installation.

### Thermostat Connections

It is recommended that you use an Amuheat thermostat to control your Amuheat floor heating system. There are three different controls to choose from and each is supplied with their own instructions.

- Refer to the thermostat installation instructions for proper wiring instructions.
- Remember to install and connect the Floor Temperature Sensor the designated terminal block on the thermostat control.
- Multiple heating mats are connected in parallel.
- The amps rating of the thermostat limits the total number of heating mats that can be controlled by a single thermostat. A contactor will be required when the amps drawn is greater than the thermostat amp rating.

# Electrical Connections

## Amuheat Cable Mat Test Log

### Test Log

<b>Job Address:</b>				
<b>Room/Zone:</b>			<b>Date:</b>	
<b>Installer name:</b>			<b>Contact number:</b>	
<b>Cable Mat Model Number:</b>				
	<b>Active to Neutral</b>	<b>Earth to Earth</b>	<b>Active to Earth</b>	<b>Neutral to Earth</b>
<i>Ohm Reading</i>	<i>Ohms</i>	<i>Ohms</i>	<i>Infinity</i>	<i>Infinity</i>
<b>Factory Resistance</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check
<b>Resistance Test (After Unpacking)</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check
<b>Resistance Test (After Install)</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check
<b>Connect the Element Fault Monitor to the Amuheat Cable Mat and Activate</b>				
<b>Resistance Test (Before Tiling)</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check
<b>Connect the Element Fault Monitor to the Amuheat Cable Mat and Activate</b>				
<b>Resistance Test (After Tiling)</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check
<b>Connect the Element Fault Monitor to the Amuheat Cable Mat and Activate</b>				
<b>Resistance Test (Before Electricals)</b>			<input type="checkbox"/> Check	<input type="checkbox"/> Check

# Contact Information

## Technical Support and Contact Details

The Amuheat Cable Mat is designed and developed to ensure that installation is quick and simple. As with all electrical work, you must make certain you adhere to electrical standards.

**Installation of the Amheat Cable Mat may constitute as prescribed electrical work in your state, and should be performed by a qualified tradesperson.**

Free telephonic installation and technical support is available **Monday - Friday** between the hours of **9.00am - 5.00pm** by contacting Amuheat Support.

Additional information can be found on our website at [www.amuheat.com.au](http://www.amuheat.com.au).

### **Amuheat Australia**

**Amuheat Pty Limited**

ABN 86133998900

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Email: [info@amuheat.com.au](mailto:info@amuheat.com.au)  
Web: [www.amuheat.com.au](http://www.amuheat.com.au)**

# Warranty

The Amuheat Cable Mat (Product) is supported by a 10 (ten) year manufacturers warranty from the date of purchase.

The Amuheat Thermostats (Product) is supported by a 1 (one) year manufacturers warranty from the date of purchase.

Amuheat Pty Limited assumes no responsibility under this warranty for any damage to the Product caused by any trades people, visitors on the job site or damage caused as a result of post-installation work.

Under this warranty, Amuheat will provide the following remedy, in each case up to a limit equal to the sum paid to Amuheat at the time of purchase:

- If the Product is determined to be defective in materials and workmanship, and has not been damaged as a result of misuse or misapplication, Amuheat will reimburse the costs for location of the fault, repair of Product, as well as labour and materials required to perform the repair.
- If the repair of the product (including labour and materials) is not feasible or exceeds the sum paid to Amuheat at the time of purchase, Amuheat will at it's discretion replace the Product or refund the sum paid to Amuheat at the time of purchase.

In order to validate the warranty, the following conditions must be met.

- The Warranty Card must be returned to Amuheat within 90 days of purchase.
- Proof of purchase will be required in the event of a claim - retain your receipt.
- Proof of tests will be required in the event of a claim - retain Cable Mat test log.
- The Amuheat Cable Mat has been installed in accordance with the accompanying installation guide, any special written design or installation guidelines provided by Amuheat and all local and building and electrical codes.
- The heater has been earthed and connected to a supply protected by a RCD circuit.
- The heater is used with a thermostat or control system approved by Amuheat.

Amuheat disclaims any warranty not provided herein. Amuheat further disclaims any responsibility for any consequential damages arising from ownership or use of the Product, including inconvenience, loss of use and costs of operating the Product.

# Warranty Registration Card

## Owner

First Name: \_\_\_\_\_  
Surname: \_\_\_\_\_  
Address \_\_\_\_\_  
Suburb: \_\_\_\_\_ State: \_\_\_\_\_ Code: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Mobile: \_\_\_\_\_  
Email: \_\_\_\_\_  
Date of Purchase: \_\_\_\_\_  
Invoice number: \_\_\_\_\_  
Where did you find out about Amuheat: \_\_\_\_\_  
\_\_\_\_\_

## Installer

First Name: \_\_\_\_\_  
Surname: \_\_\_\_\_  
Address \_\_\_\_\_  
Suburb: \_\_\_\_\_ State: \_\_\_\_\_ Code: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Mobile: \_\_\_\_\_  
Email: \_\_\_\_\_  
Date Installed: \_\_\_\_\_

I confirm that I have read and understand the contents of the installation manual and accept the limited conditions of Amuheat' liability under the warranty.

I confirm the product is installed in accordance with this guide.

I confirm the test log report has been completed.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

When completed please cut along the dotted line and return to:  
Amuheat Warranty Registration, PO Box 975, North Ryde BC, NSW 1670  
Or fax to (02) 8211 5180.



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