

TEAR HERE

## FACTORY TEST CERTIFICATE

Stock code: 5255A  
 Size: 17000 x 1000mm  
 Wattage: 1356  
 Working Voltage: 230 ac  
 Batch No.

RESISTANCE	
Centrecore/Centrecore	39 Ohm
Centrecore/Earth braid	Open Circuit

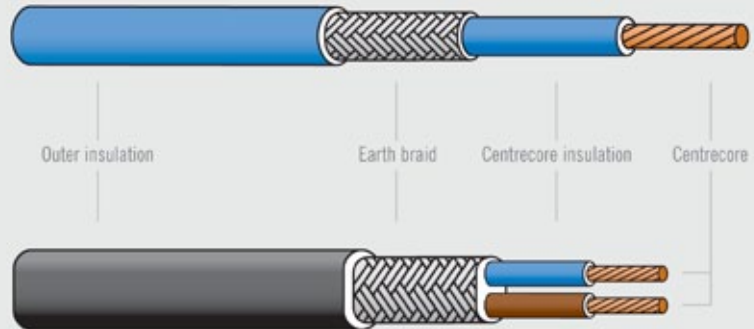
Install in accordance with the Thermonet Installation Guide. Detach and file this certificate in the Thermonet Customer Installation File.

**thermonet**  
UNDERFLOOR HEATING

171003

Typical factory test certificate

Cross section of a connection wire



Cross section of twin connection wire



The cold tail and sensor can probe cable can be shortened or extended up to 50mm.

## How to test heatmats

### CHECKLIST

- LOCATE THE HEATMAT FACTORY TEST CERTIFICATE
- CHECK CENTRECORE / CENTRECORE RESISTANCE
- CHECK CENTRECORE / EARTHBRAID RESISTANCE
- REPEAT RESISTANCE CHECKS FOR EACH HEATMAT AS REQUIRED
- COMPLETE WARRANTY VALIDATION FORM

### Factory test certificate

Each heatmat is supplied with a factory test certificate. Locate and detach the certificate before proceeding. Factory test certificates must be handed to the customer on completion.

Each heatmat must be checked for both centrecore/centrecore and centrecore/earthbraid resistance at 3 stages. The results must be checked against the factory test certificate and recorded on the warranty validation form.

All heatmat resistance checks must be carried out before connecting any control equipment.

ELECTRONIC HEATMAT MONITOR

STOCK NO 6010

### Centrecore/Centrecore resistance

All heatmats have individual resistance readings. Always check readings against the heatmat factory test certificate. Using a multimeter, measure the resistance in ohms  $\Omega$  between the centrecores of the two connection wires for each heatmat.

The Centrecore/Centrecore resistance value should equal the factory test certificate value to within a tolerance of +10% / -5%.

For example stock no 5229 has a factory test certificate value of 121 ohms. On-site value must be between 115-133 ohms for this heatmat.

Check and record resistance values on the warranty validation form at Stage 1, 2 and 3 of installation. Should the resistance value fall outside the allowable tolerance at any stage, contact your Thermonet stockist for advice. Do not continue installation.

### How to check centrecore/earth braid resistance

Using a multimeter, measure the resistance in ohms between either one of the connecting wire centre cores and either one of the earth braids for each heatmat.

The centrecore / earth braid resistance value should always be open circuit (infinity). Check and record resistance values on the warranty application form at Stage 1, Stage 2 and Stage 3 of installation.

Should the resistance value change from open circuit at any stage of installation, contact your Thermonet stockist for advice. Do not continue installation.

EACH HEATMAT REQUIRES 2 ELECTRICAL RESISTANCE TESTS AT 3 STAGES:

- 1 - BEFORE
- 2 - DURING
- 3 - AFTER FLOOR FINISHING

TO VALIDATE THE 10 YEAR WARRANTY ALL HEATMATS MUST BE CHECKED AND THE RESULTS RECORDED ON THE WARRANTY VALIDATION FORM AT THE TIME OF INSTALLATION

THE USE OF A THERMONET ELECTRONIC HEATMAT MONITOR DURING INSTALLATION DOES NOT REPLACE THE NEED TO TEST THE MAT AT STAGES 1 AND 3

3 YEAR WARRANTY ON THERMOSTAT

TAKE PHOTOGRAPHS DURING INSTALLATION