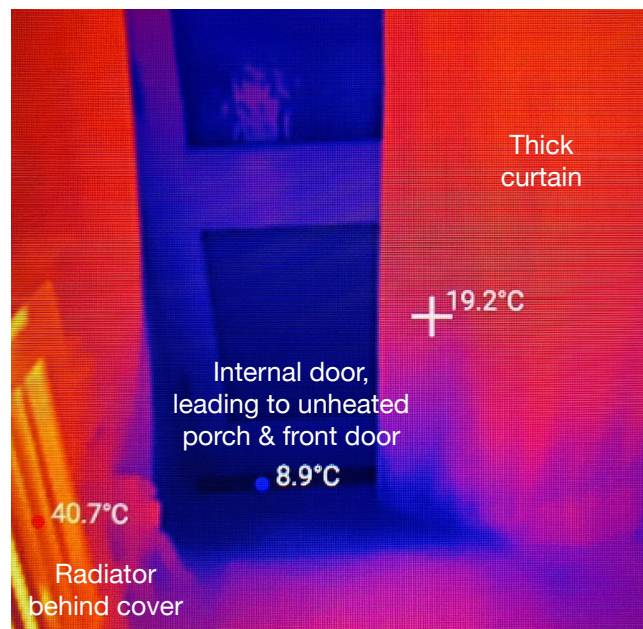


A thermal camera can help you plan home improvements

Please email ecoeastgarston@gmail.com to borrow their thermal imaging camera. It works best when there is a temperature difference of more than 10°C between indoors & outside (putting on your heating can help).

Octopus have a [webpage](#) with some helpful advice, and there are some useful videos on [YouTube](#).

If you are making your home more airtight, you may need to improve ventilation to reduce condensation on any cold spots. We each breath out almost a pint of water vapour a day, and moisture is also produced by cooking, showering and drying clothes. This can lead to problems with mould.



Opening windows or trickle vents, mechanical ventilation with heat recovery, or using a dehumidifier can help manage moisture levels. For more information on ventilation, please read 'Beginner's Guide to Eco Renovation' by Judith Leary Joy, or visit the [Centre for Sustainable Energy](#) website.

Some suggested areas to check with the camera:

- External doors, and doors to unheated rooms.
If the door is colder than the adjacent walls, consider putting up a thick curtain. If your ventilation is poor, you may need to open the curtain overnight to prevent mould growing on it.
- Loft hatch
If the loft hatch is colder than the adjacent ceiling, consider getting an insulated loft hatch, or get creative with something like a large bin bag filled with insulation material.
- Windows
Check if there are any unexpected cold areas around window openings, or where the frame meets the wall. If there is a problem, and the window was recently installed, check the guarantee. Otherwise, consider fitting some draught-excluder tape, which you can get from DIY stores.
- Utility entry and exit points
Check for heat loss where any pipes or cables enter or leave your home. These can be sealed with decorators caulk, which you can get from DIY stores.
- Cavity wall insulation
If the thermal camera suggests there is a problem with your cavity wall insulation, check if you are covered by the CIGA 25 year guarantee.
- And much more! Eg, loft insulation, flooring, unused chimneys, etc.

To use the camera:

To power up, hold down the  button for 3 seconds

At the screen with the time & date, swipe up

At the next screen, touch TC003

At the next screen, touch Thermal Imaging

The camera screen will then show the thermal image

- The image includes the min-max scale on the right, and the temperature in the middle of the image
- It also shows the highest (red dot) and lowest (blue dot) temperatures.
- For more information, please read the instruction booklet.
- To power off, hold down the  button for 3 seconds

Please return the camera fully charged, together with the USB charging cable, instruction booklet & any other items, eg the humidity meter or home improvement books.