Thermal imaging to investigate home insulation

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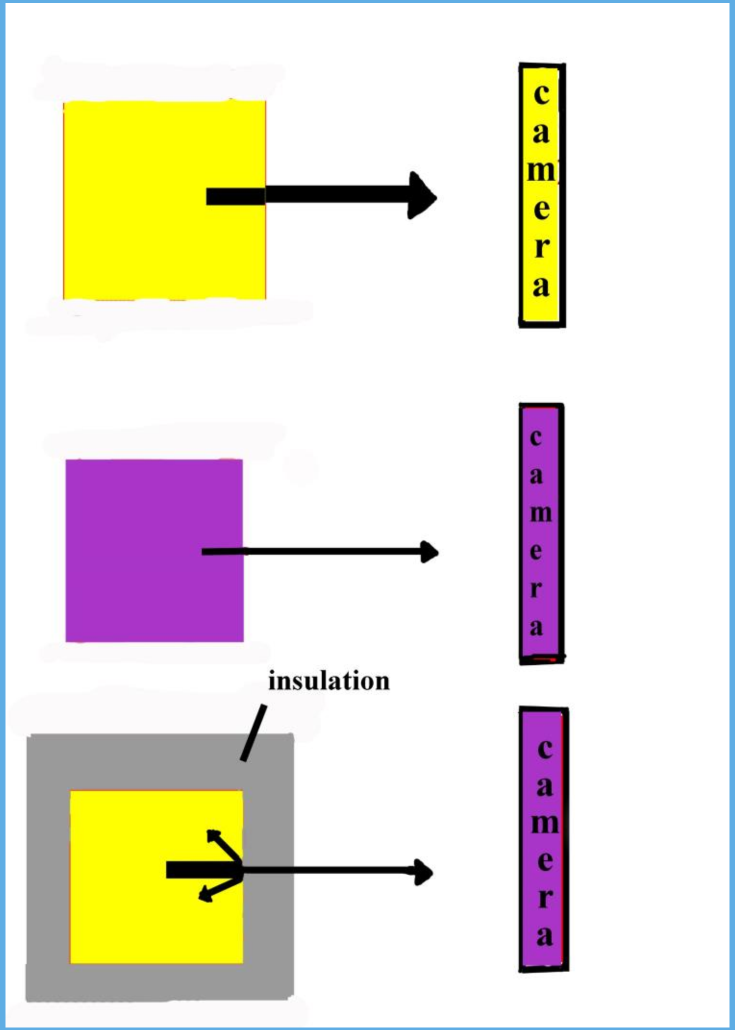
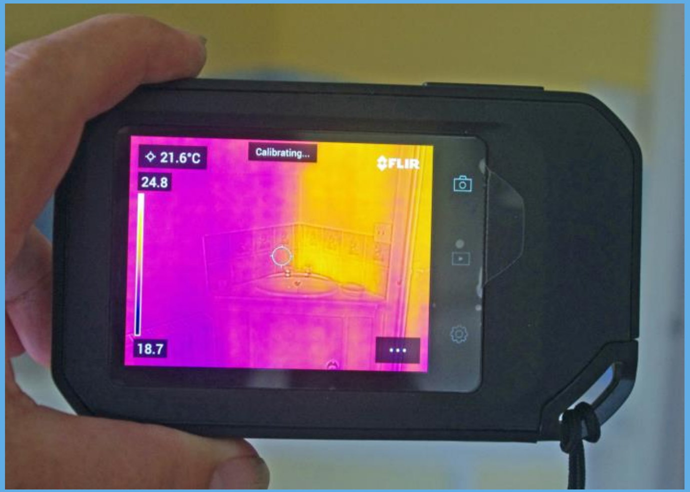
How does thermal imaging work?

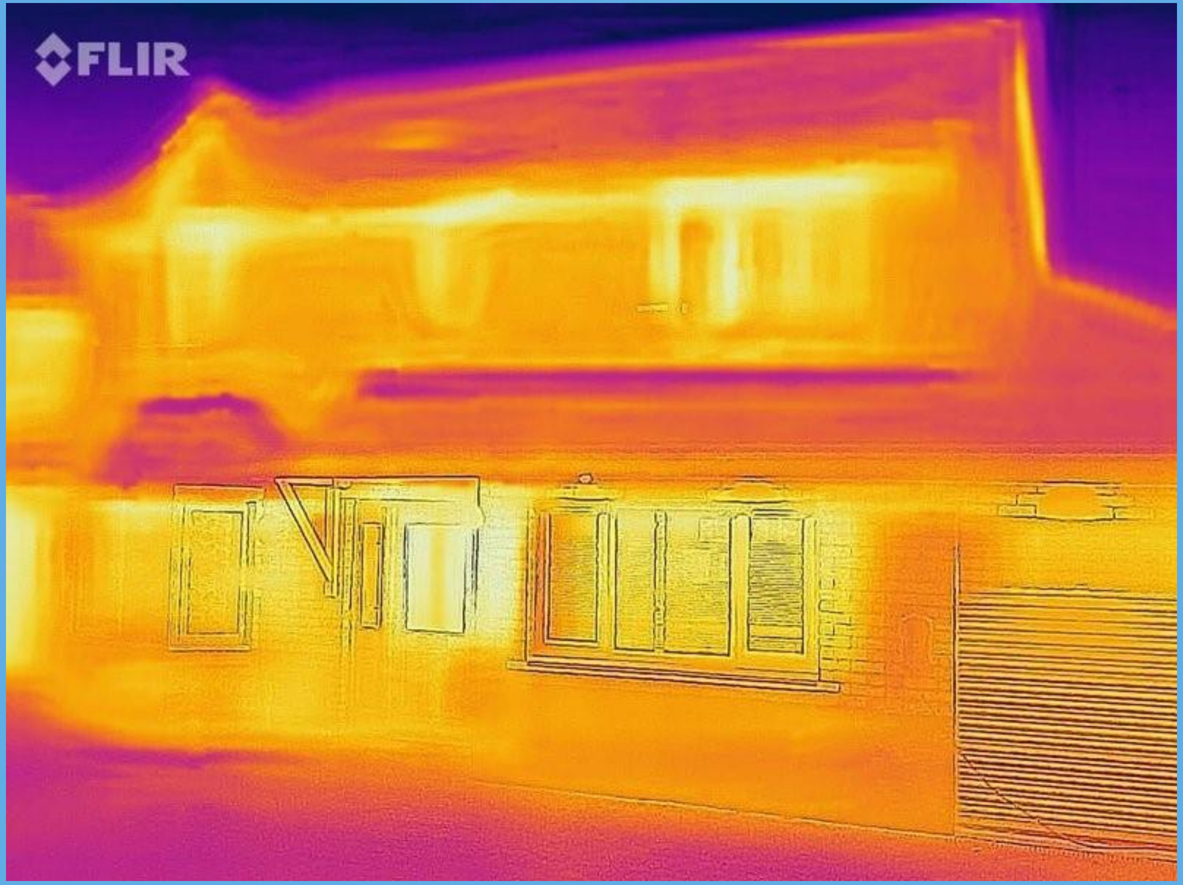
- 1 a hot body will lose heat to colder surroundings
- 2 The hotter the body, the quicker the loss of heat
- 3 A thermal imaging camera can detect the level of infrared radiation, which is equivalent to the rate of heat loss.
- 4 On the camera screen, higher temperatures are shown as lighter yellow to white colours, whilst colder colours are purple, to blue/black

Detecting heat loss





Checking heat loss from outside

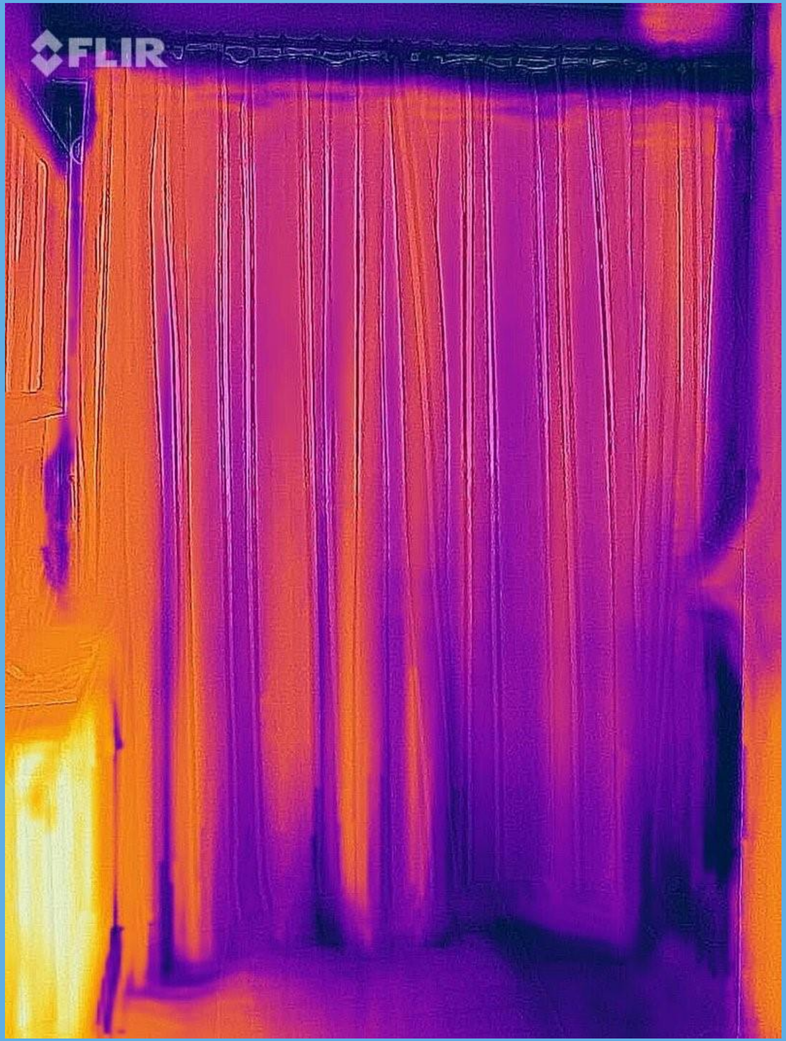


Draft detection

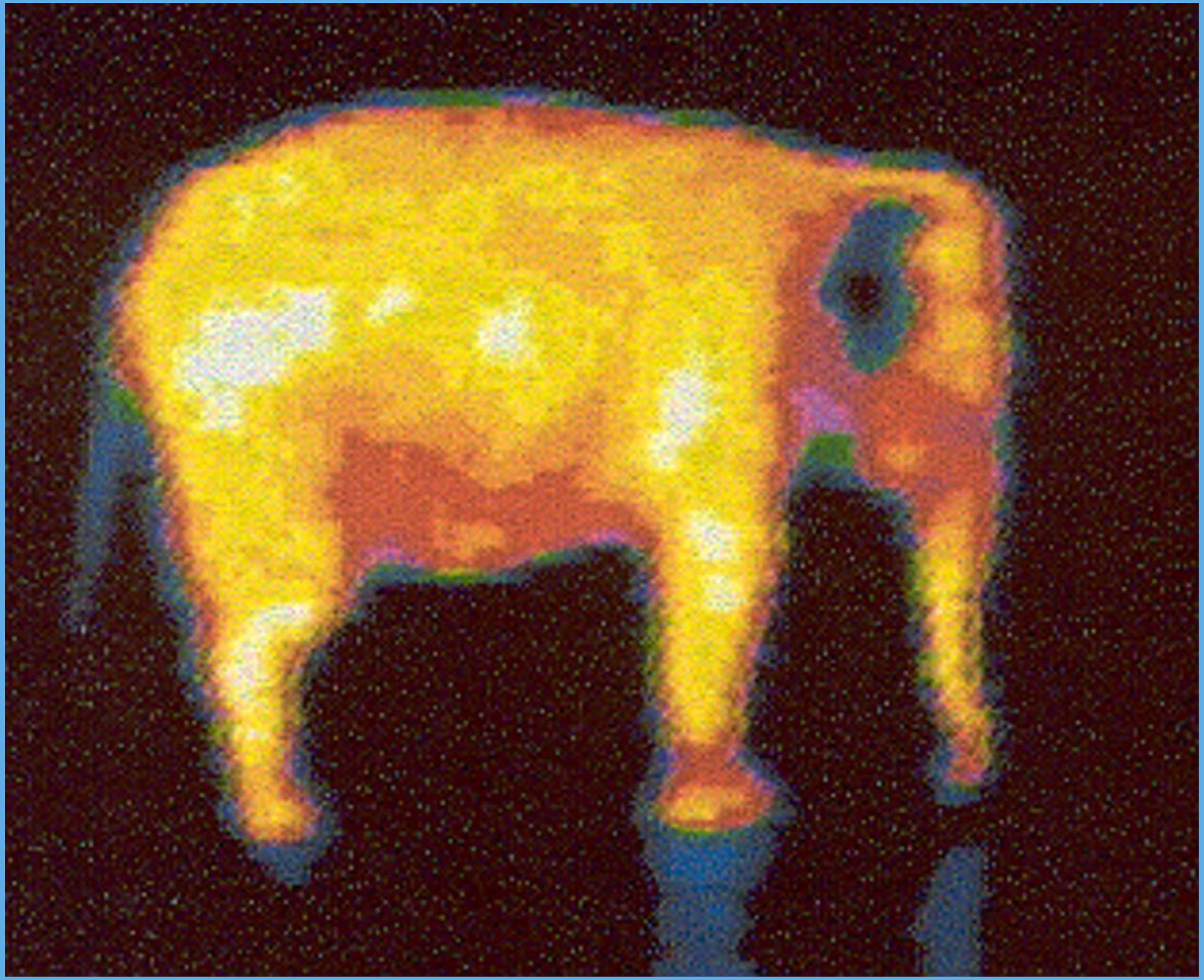
“the granny test”

Check for cold spots inside

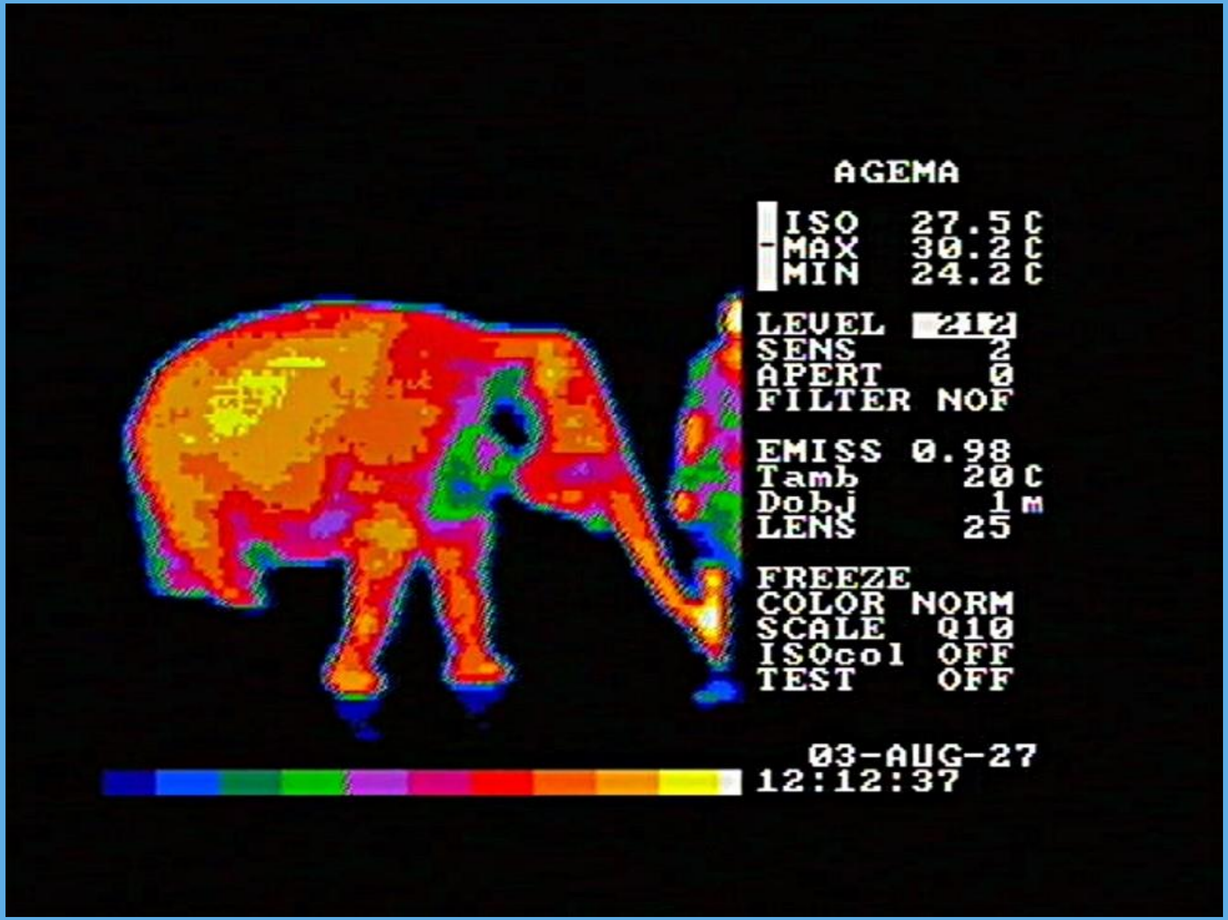
A curtain may help – but….



Some artefacts you need to know about



Moisture absorbs infra red radiation



sunshine