



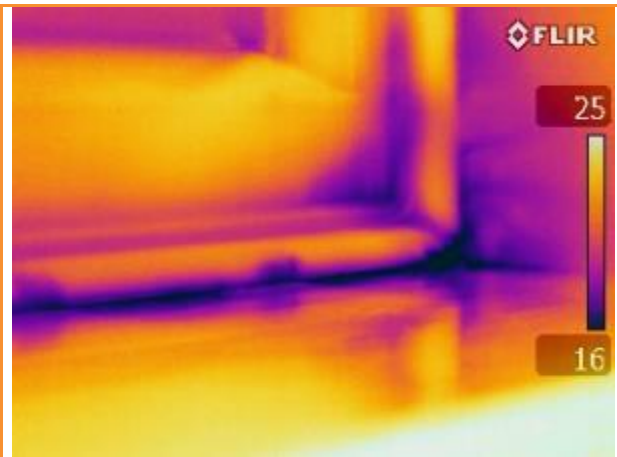
Common Leakage Sites no.3

Through windows and/or hollow window frames.

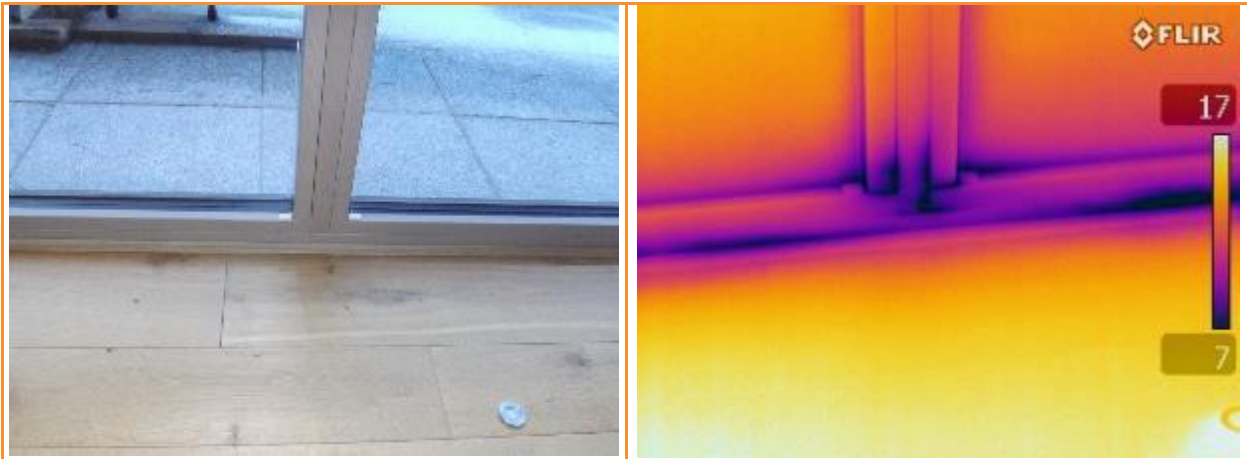


In this instance air is leaking from the outside through the window unit itself rather than around the unit. This may be due to poor build quality, inadequate sealing of the glass panes or bad design, but is particularly prevalent in modern sealed unit windows where the locking mechanism penetrates the frame, and through keyholes. It has also been noted that the trickle vents fitted to these modern units frequently leak very badly, even when closed.

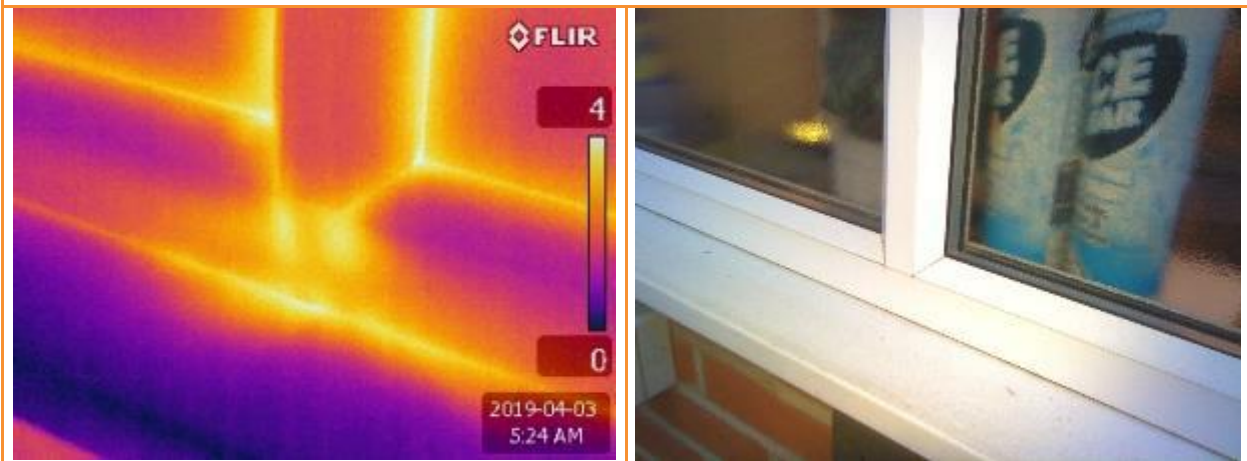
Building Fabric Leakage 3: Through windows joints and/or hollow window frames



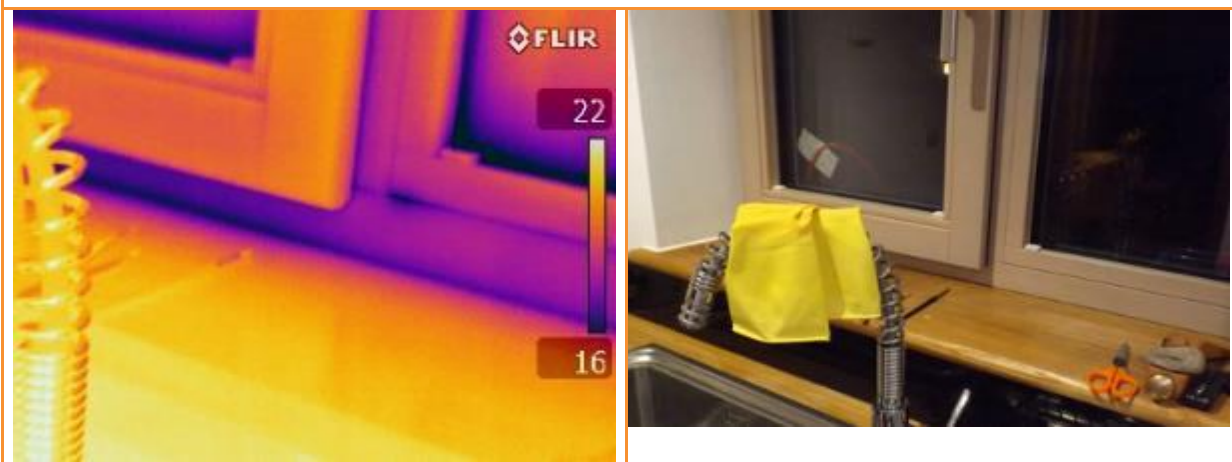
3.01: Internal thermographic image whilst house is depressurised showing leakage through existing window.



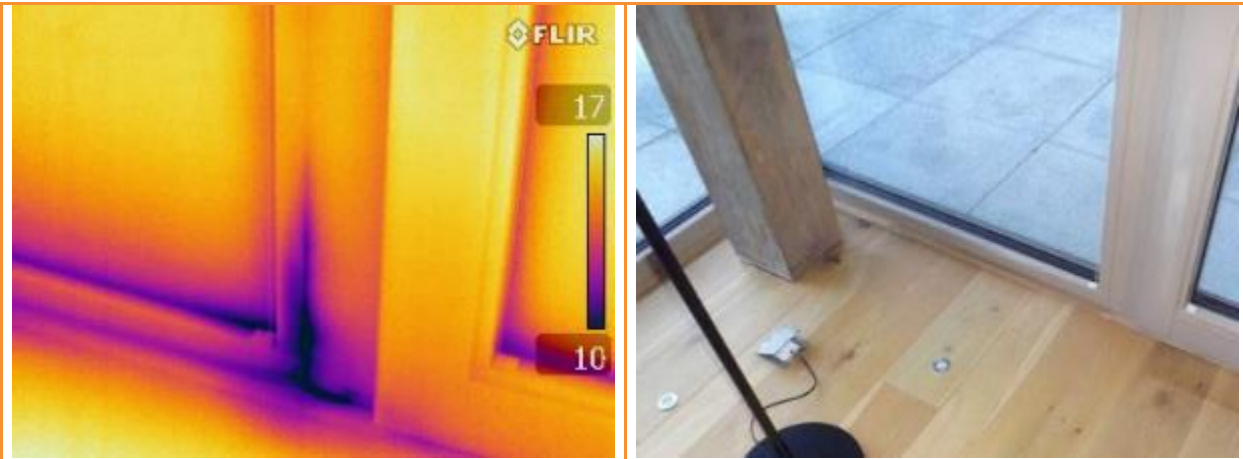
3.02: Internal thermographic image whilst existing house depressurised. Leakage occurring at joints in frame of glazed door in lounge.



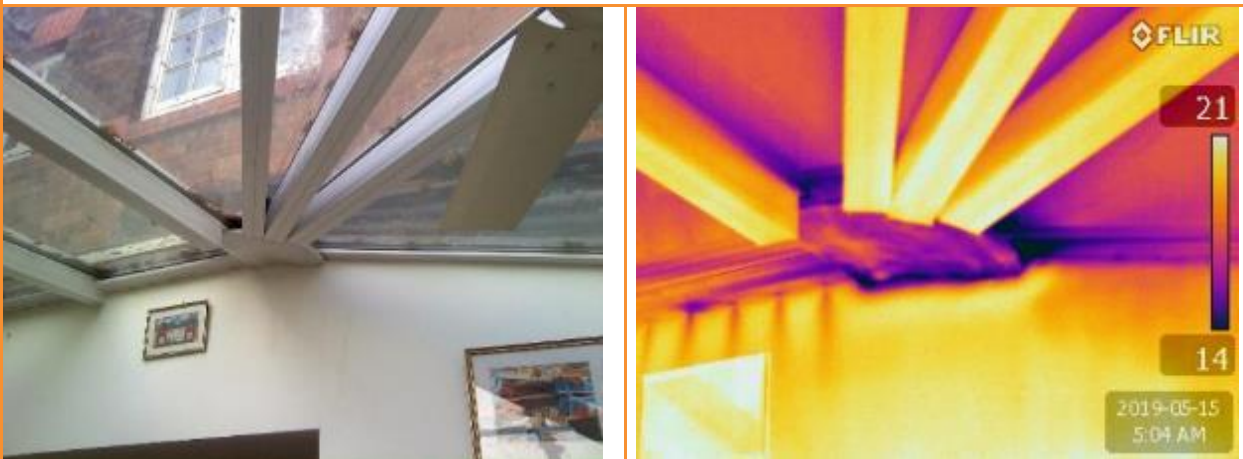
3.03: External thermographic image whilst house is pressurised showing leakage on joints in uPVC windows, also between frame and wall below.



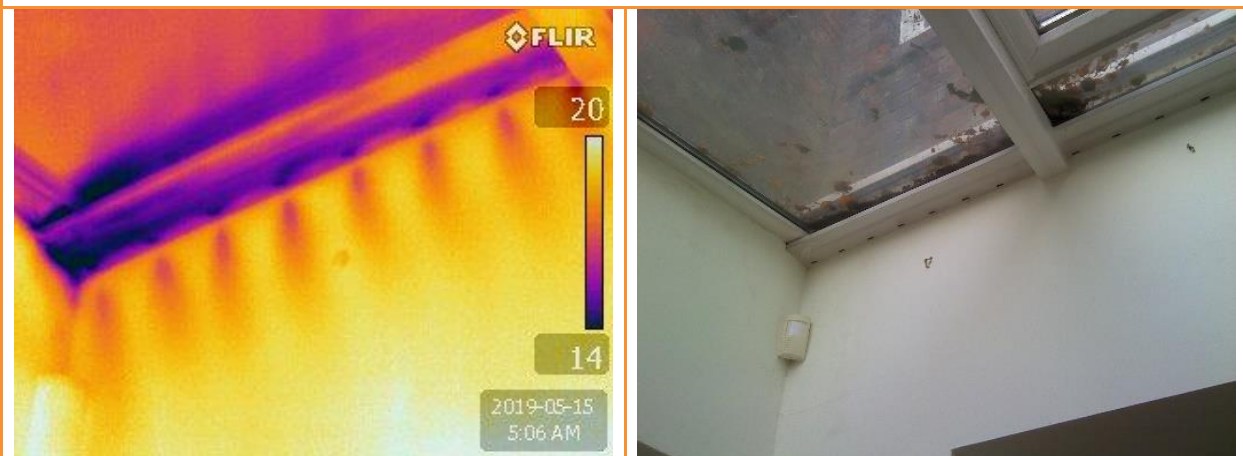
3.04: Internal thermographic image whilst dwelling is depressurised showing leakage at joint in frame of fixed light.



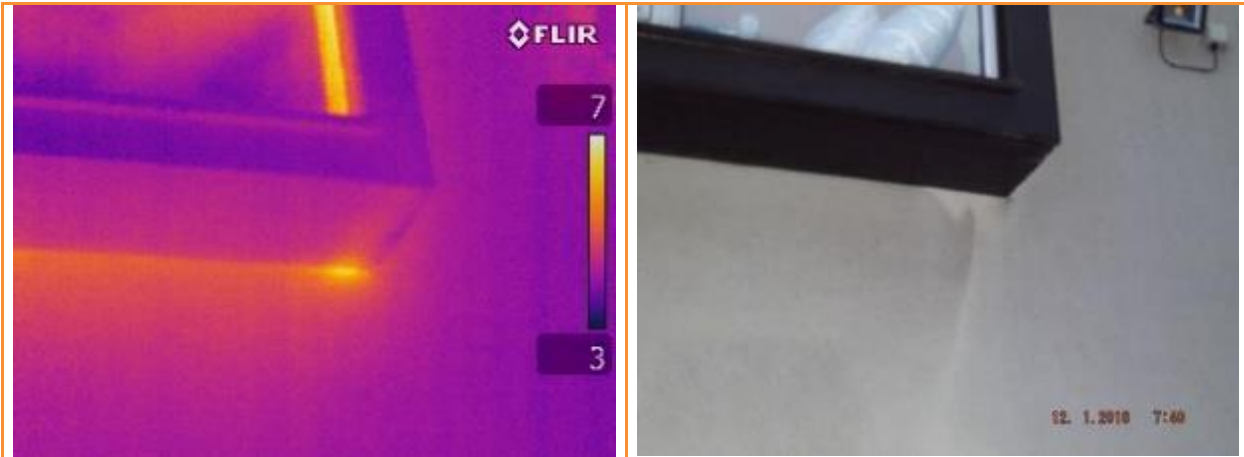
3.05: Internal thermographic image whilst house is depressurised showing leakage through frame next to bottom corner of window in lounge.



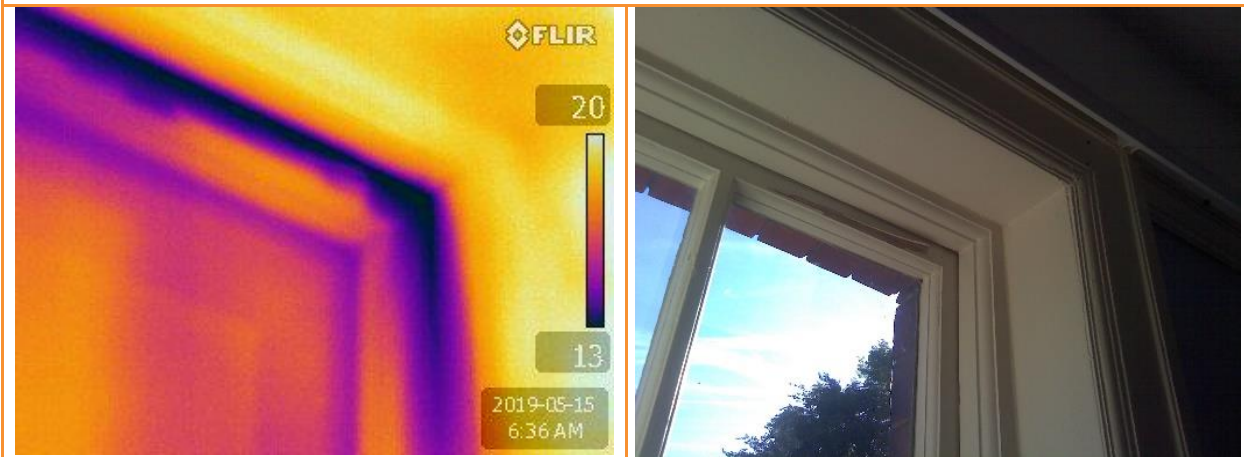
3.06: Internal thermographic image whilst house is depressurised showing leakage around joint in conservatory roof, also leakage through vents along the side adjoining house.



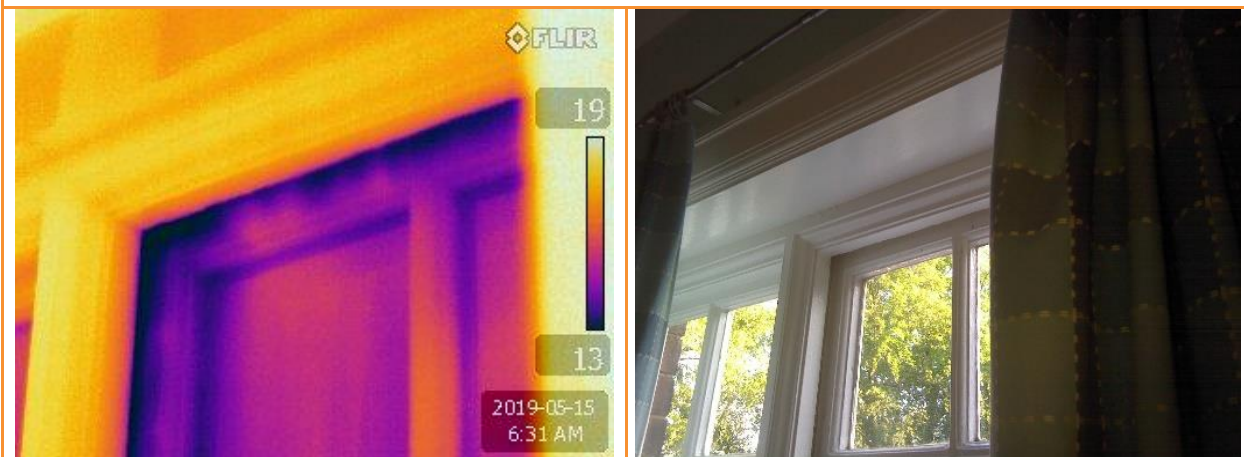
3.07: Close-up internal thermographic image whilst house depressurised, showing leakage through vents in conservatory frame



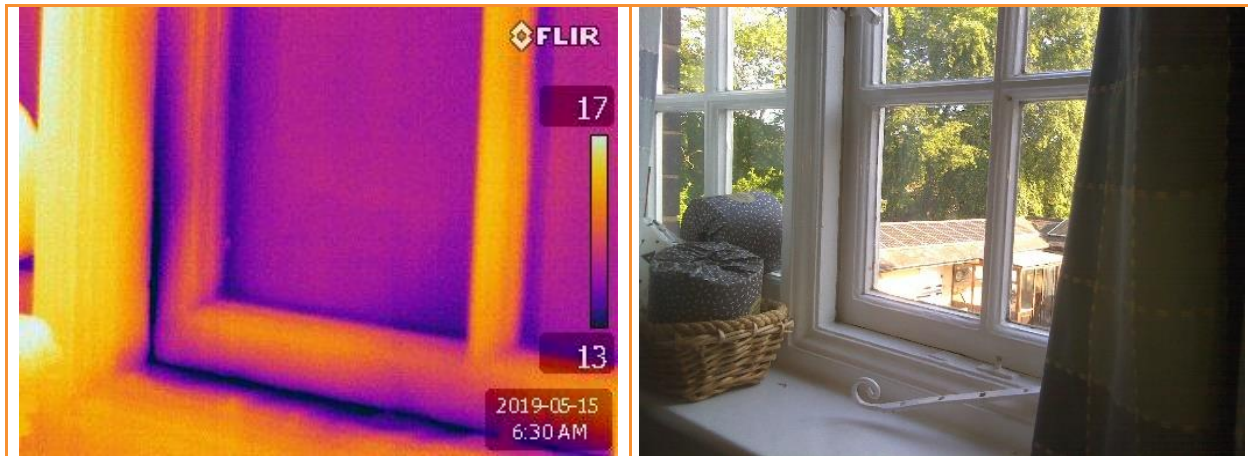
3.08: External thermographic image whilst house is pressurised showing leakage through defect on underside of projecting window



3.09: Internal thermographic image whilst house depressurised, showing substantial leakage at the top of poorly fitting bathroom window, first floor rear



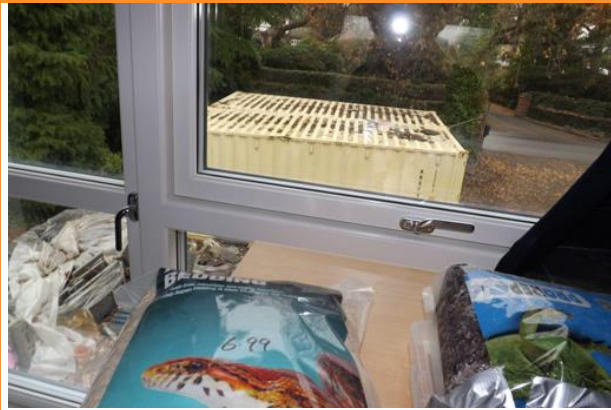
3.10: Internal thermographic image whilst house depressurised, showing substantial leakage at the top of poorly fitting bathroom window, first floor rear



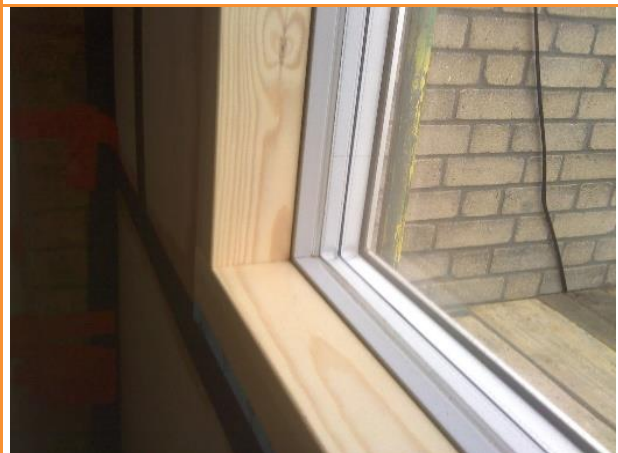
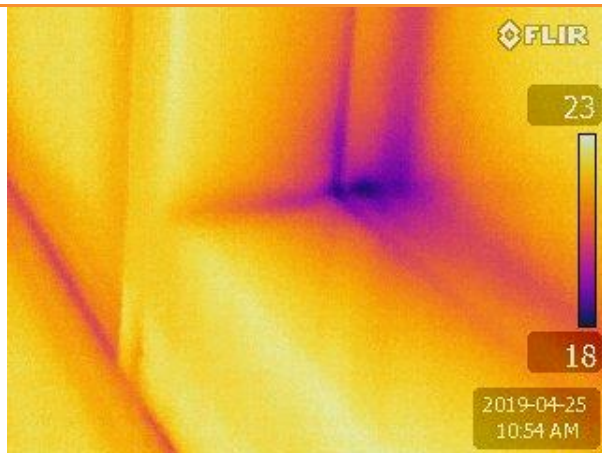
3.11: Internal thermographic image whilst house depressurised, showing substantial leakage across the base of a poorly fitting bathroom window, first floor rear



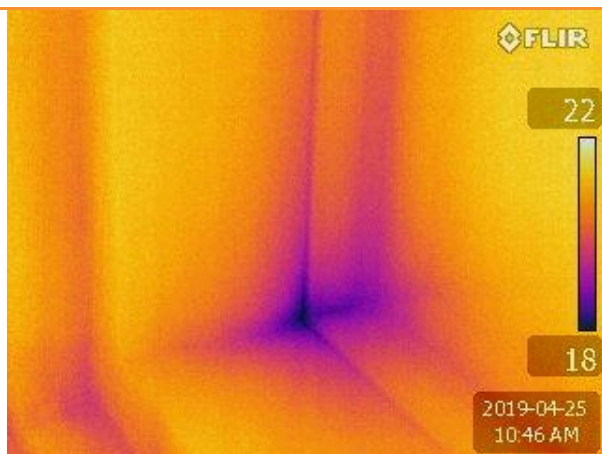
3.12: Photograph of bathroom window where substantial leakage was found during depressurisation because the window could not be closed fully



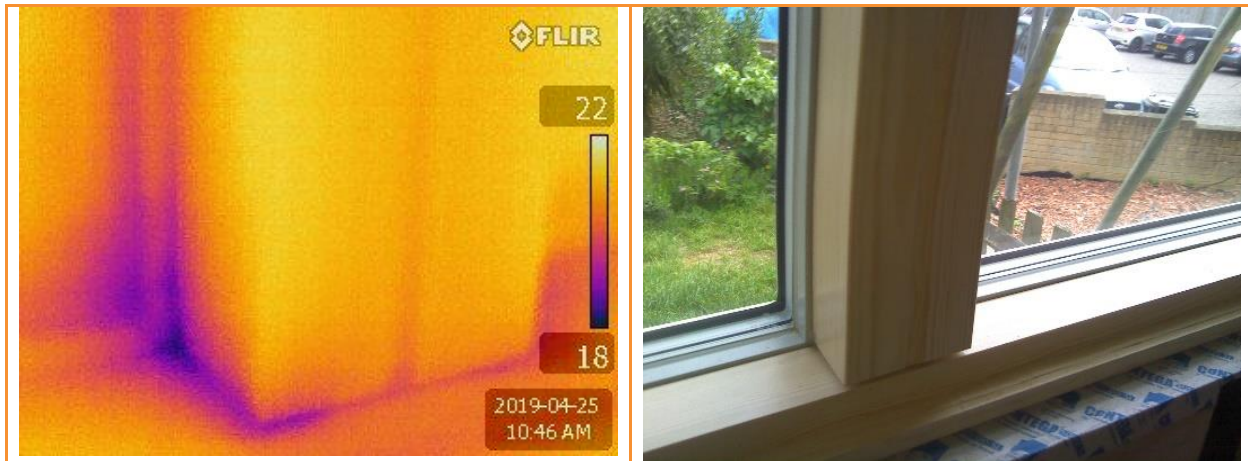
3.13: Leakage around handle to window where draughtsealing is ineffective



3.14: Thermographic image showing significant leakage in the corner of a new window



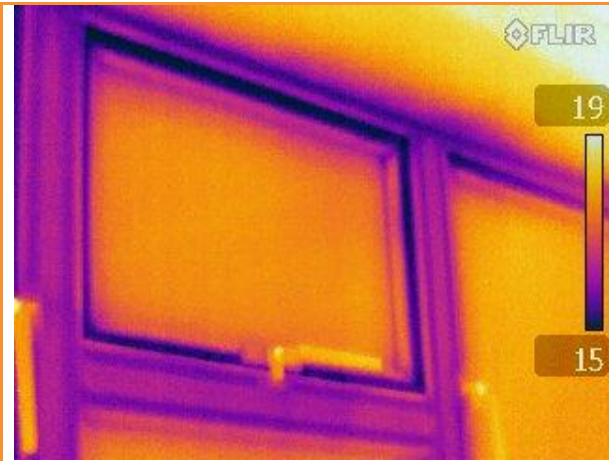
3.15: Thermographic image showing significant leakage in the corner of another new window



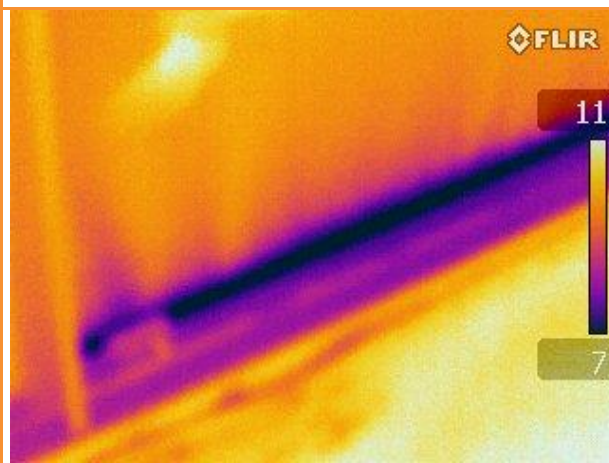
3.16: Thermographic image showing significant leakage at the timber joint in the centre of a large new window



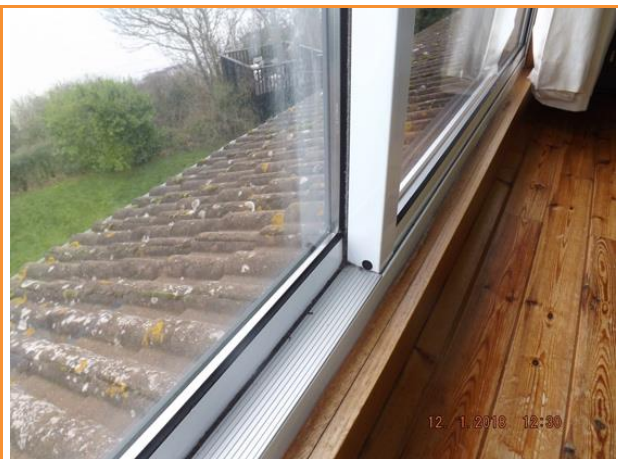
3.17: Thermographic image of stairs and WC windows, first floor, before pressure differential applied (top) and after pressure differential applied (bottom)



3.18: Thermographic image showing leakage on living room windows



3.19: Thermographic image showing substantial leakage at base of cloakroom window



3.20: Thermographic image showing substantial leakage on top floor rear window