



Established 1906

WT KNOWLES & SONS LIMITED

Fitting Instructions

DFE Double Combi Gas Terminal

Code No: KNODFE5

W T Knowles & Sons Limited

Ash Grove Pipe Works

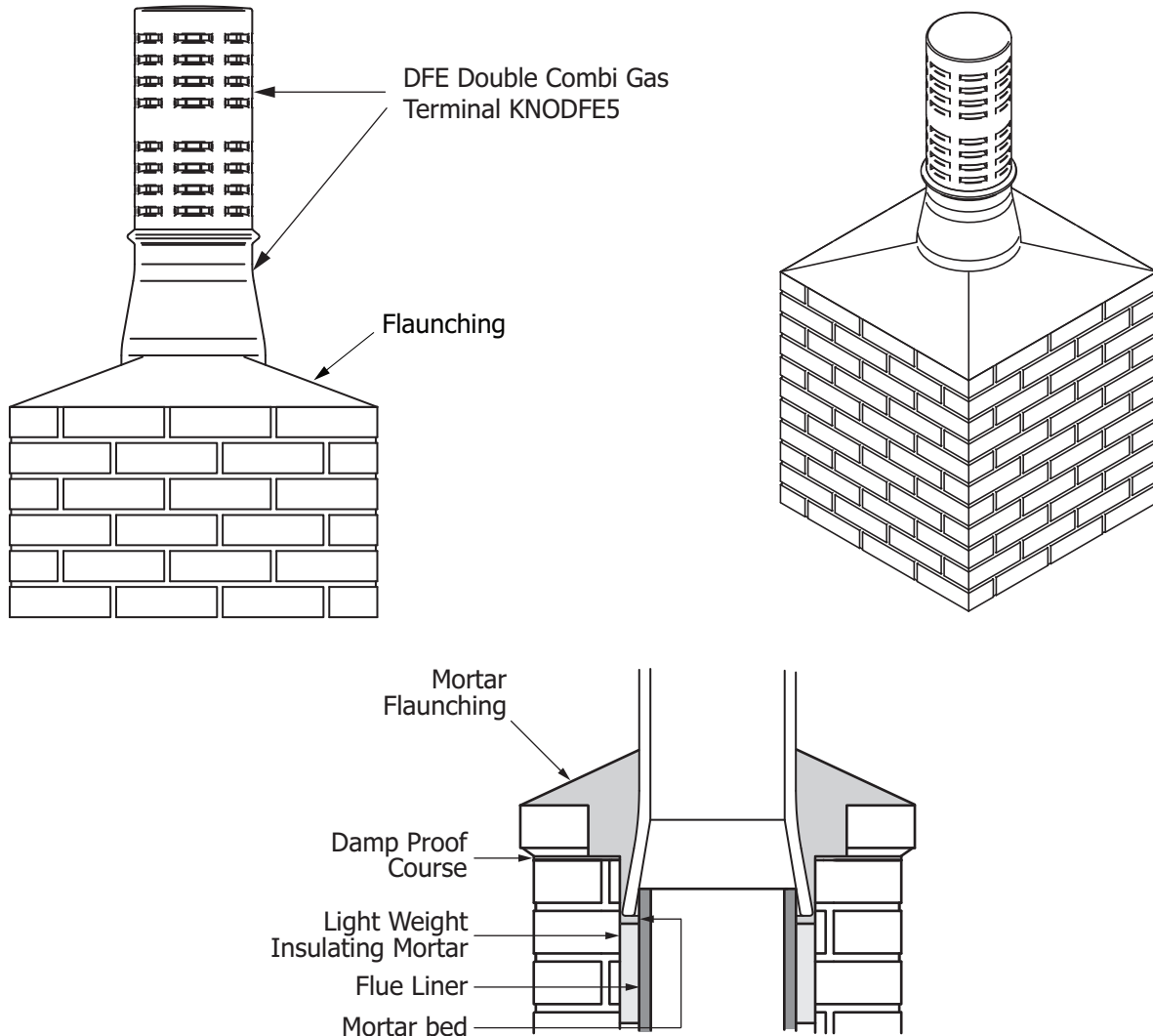
Elland

West Yorkshire

HX5 9JA

www.wtknowles.co.uk

July 2018: Issue 2



Instructions

- The Installer is reminded that The Building Regulations: Approved Document J will apply to the fitting of a flue terminal facility in respect of height and position.
- A chimney pot should always be used to obtain a satisfactory chimney performance. The chimney should not be terminated with just a mortar flaunching.
- Inspect the gas terminal top and base to confirm they are undamaged and ensure the gas terminal is suitable for use with the flue system and the type of fire installed.
- Inspect the chimney stack for cracks and repair any defective mortar pointing. Check that the flue liner is sound and totally clear of debris. Any mortar ingress into the flue liner should be wiped clean to ensure a smooth passage for the flue gases and for sweeping.



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- A damp proof course should be installed below the top layer of brickwork. The space between the outside of the flue liner and the chimney stack should be filled with insulating backfill material such as weak lime mortar or lightweight vermiculite type insulating cement. Ensure that the top of the chimney stack is flat.
- When lifting large terminals onto a roof, the terminal should be fitted with suitable slings – correctly positioned. The terminal should be carefully hoisted avoiding damage to the pot and building, ensuring the safety of the installer and any nearby persons on the ground.
- Position the base of the terminal over the flue liner on the chimney stack. Fit the terminal top and align vertically. The terminal base should be embedded into the top of the chimney stack by 125mm or one quarter of the total height of the terminal, whichever is the greater, Ensure the terminal base is securely positioned then remove the top and the base.
- Mix the mortar using a sand/cement ratio of 3:1. Apply a layer of mortar in the gap between the chimney stack and the flue liner and embed the terminal base over the flue liner and press down onto the mortar. Ensure the terminal is vertical and securely placed.
- Complete any outstanding brickwork (such as corbelling) around the base and then apply the mortar flaunching. The mortar should fill the void between the terminal and the chimney stack. The mortar flaunching should be smooth and tapered out at an angle between 25° (minimum) and 45° to the edge of the brickwork to allow rain to drain away.
- In warm dry weather the surface of the mortar flaunching should be dampened regularly to prevent it drying out too quickly and cracking.
- Ensure all gaps are filled with the mortar flaunching and brickwork to prevent the ingress of water and to avoid losing mortar bonding.
- Mix some mortar with a brick coloured dye and apply to the recess in the top of the base. Carefully position the gas terminal top onto the base and lightly press down onto the mortar joint.
- Use a smoke test to check for leakage and to ensure the terminal is working correctly.
- Close the fitted appliance and warm the chimney flue with a blow lamp or similar heating device for approximately 10 minutes. Put smoke pellets in the appliance firebox (or bottom of the chimney or appliance recess) and light. Close the appliance when smoke has formed and allow the smoke to make its way up the chimney. Check for leakage throughout the length of the chimney.
- After the installation, the flue and chimney should be warmed through gradually to prevent cracking and the drying out of the mortar between the flue and the terminal. This must be done before initial use (on first firing) or after prolonged periods without use.
- It is recommended that chimneys using gas fuel are regularly cleaned and inspected annually.
- For safety reasons, it is essential that any chimney pot or chimney cowl is correctly selected and is suitable for the heating appliance being used.