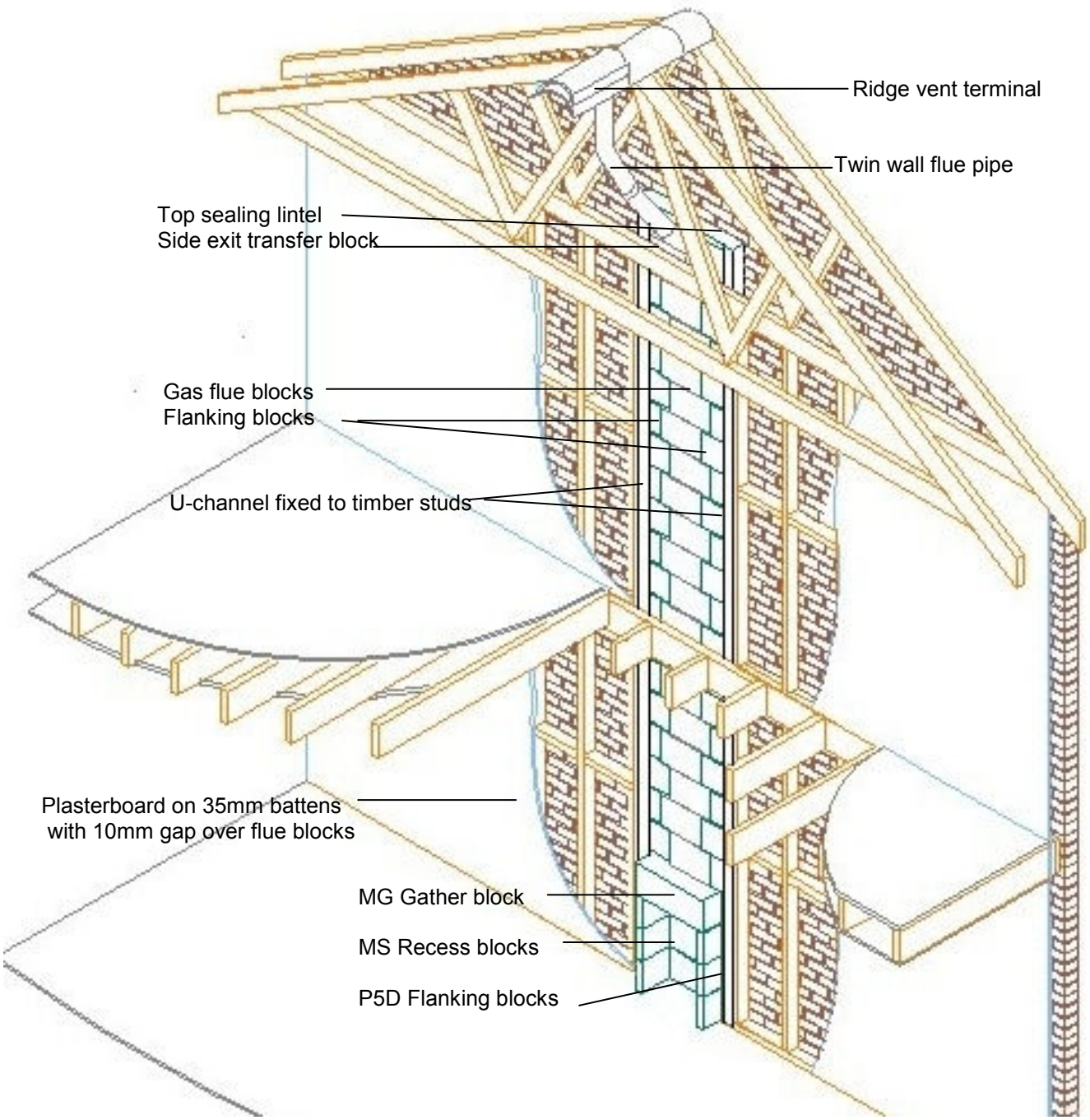
dunbrik flues
domestic flue & chimney systems

Mini Clearflow Gas Flue Block System

Installation guide for timber frame dwellings

Typical flue layout in external wall

M Set recess and Twin-wall pipe to Ridge Vent Terminal



Flue layout in party wall

For a timber frame partition wall, refer to the walling diagrams on page 6.

CE

Dunbrik concrete gas flue blocks are CE marked to certified performance standards in EN1858:2008/A1:2011. Manufacturing is to a Quality Assurance Scheme certificate ref. FM 24104. Products are type tested by BSRIA and the Factory Production Control certified by BSI Assurance UK Ltd ref 0086-CPD-597467.

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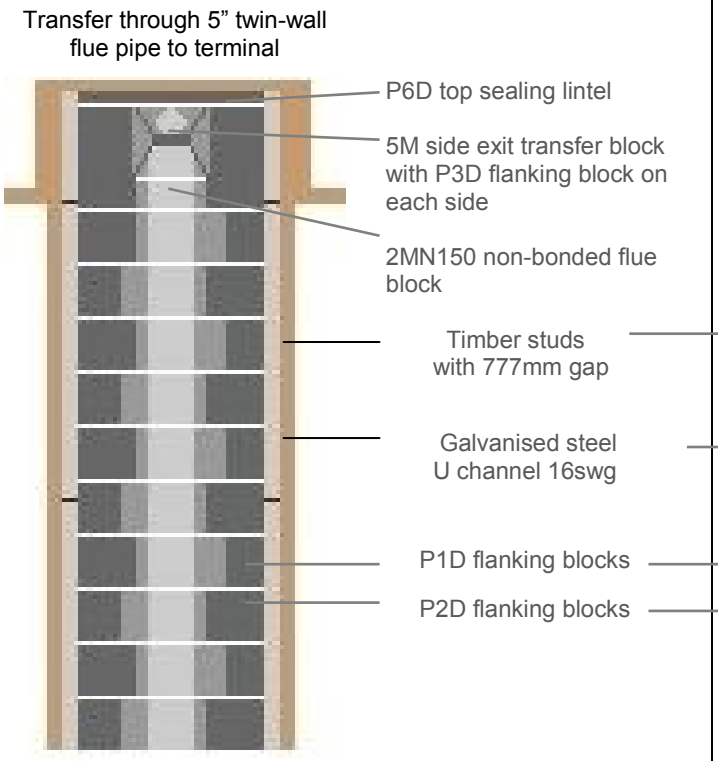
Example flue sections

Illustration of gas flue blocks with 777 fitting components for timber frame

(twin-wall flue pipe and outlet terminal are not illustrated)

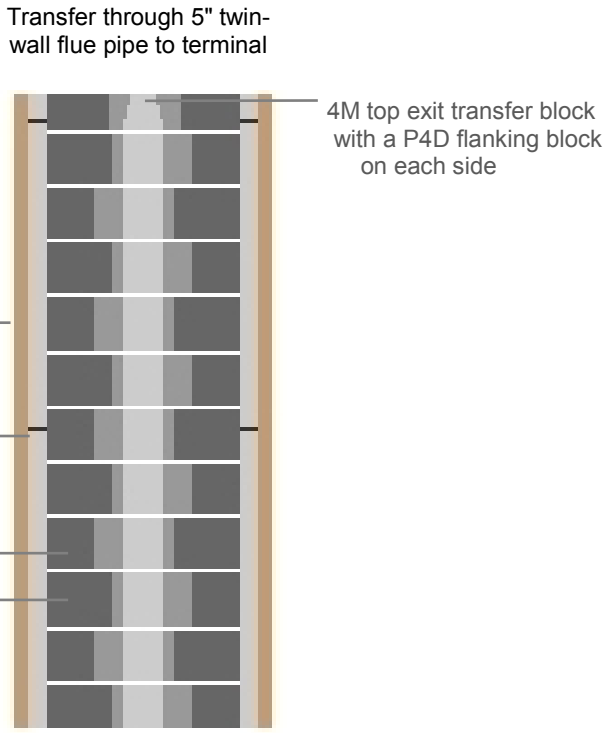
For exit to ridge or through roof slope

using **5M** transfer block (45 degree exit)

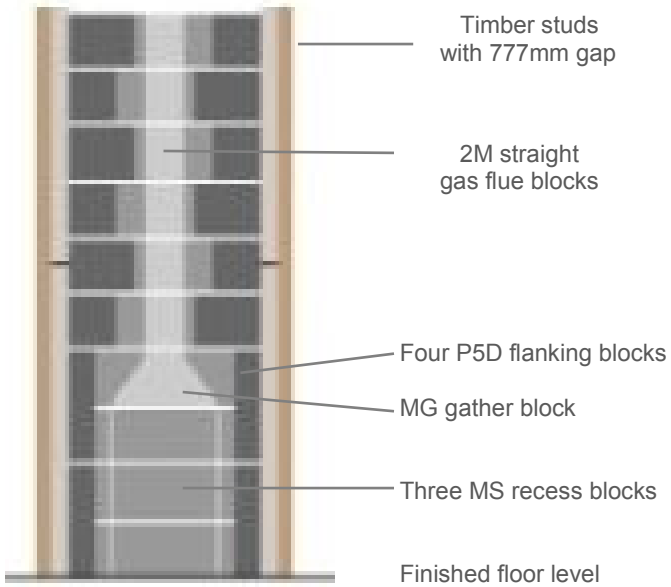


For exit at eaves or from partition wall

using **4M** top exit transfer block

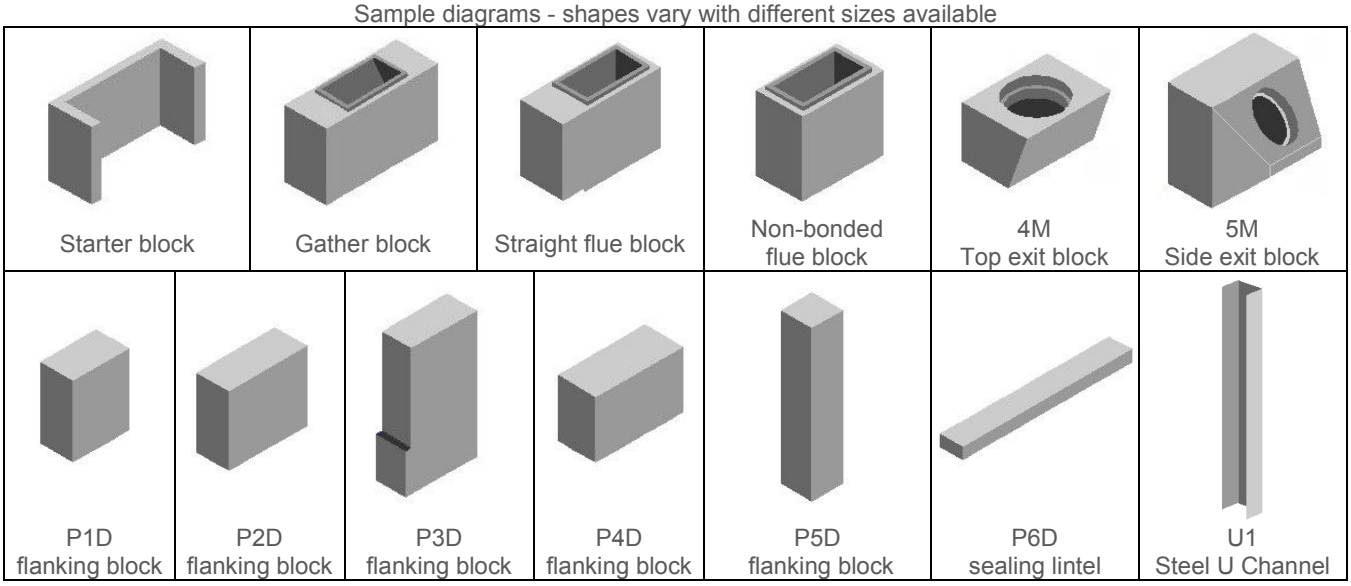


M Set - recess



Mini Clearflow and frame fitting components

Sample diagrams - shapes vary with different sizes available



Starter block | Gather block | Straight flue block | Non-bonded flue block | 4M Top exit block | 5M Side exit block

P1D flanking block | P2D flanking block | P3D flanking block | P4D flanking block | P5D flanking block | P6D sealing lintel | U1 Steel U Channel

Triple 7 timber frame fitting components	Product code	Weight kg	Overall size mm width x depth x height	Coursing Height
Small flue flanking block	P1D	7.3	170 * 100 * 215	225
Large flue flanking block	P2D	10.4	245 * 100 * 215	225
Angled exit flanking block	P3D	19.8	240 * 100 * 430	440
Top exit flanking block	P4D	6.6	230 * 100 * 150	160
Recess unit flanking block	P5D	7.2	90 * 100 * 440	450
Top sealing lintel	P6D	7.4	767 * 100 * 50	50
Steel U Channel 1250mm	U1	3.6	75 * 105 * 1250	
Gas flue block components				
M Set recess starter block (3 per flue)	MS	22.9	554 x 272 x 222	225
M Set gather block	MG	53.9	554 x 272 x 222	225
Straight bonded gas flue block 225mm	2M	12.0	320 x 140 x 225	225
Top exit gas flue transfer block	4M	10.4	265 x 200 x 160	-
Top exit block with connector pipe	4MP	11.0	-	-
Side exit gas flue transfer block	5M	24.6	285 x 280 x 290	-
Side exit block with connector pipe	5MP	26.8	-	-
Gas flue block without bonding nib 225mm	2MN225	7.1	245 x 140 x 225	225
Gas flue block without bonding nib 150mm	2MN150	4.9	245 x 140 x 150	150
Gas flue block without bonding nib 75mm	2MN75	2.7	245 x 140 x 75	75
Flue block silicone sealant	1581	0.4	-	-
Blakbord insulation panel	Blakbord	1.0	600 x 50 x 900	-
Smoke pellet tube (6 pellets per tube)	Smoke	-	-	-
Flue notice plate	Plate	-	147 x – x 160	-
125mm diameter (5”) Twinwall Metal Flue Pipe and accessories			Connected length mm	
Flue block connector / adaptor	STWBC	0.3	132	
Flue pipe 1524mm (60” length	STW60	3.0	1486	
Flue pipe 914mm (36” length)	STW36	1.8	876	
Flue pipe 457mm (18” length)	STW18	0.9	419	
Flue pipe 305mm (12” length)	STW12	0.7	267	
Flue pipe 152mm (6” length)	STW6	0.4	114	
Adjustable length 457mm (18”)	STW18A	0.9	75 to 356	
Adjustable bend 0 to 90 degrees	STW090	0.8	Use to max of 45 deg angle from vertical	
Adjustable wall bracket	STWB245	0.3	Adjustable up to 245mm wall clearance	
Adjustable flashing 5 to 30 degree	STWAF0530	0.6	Requires storm collar	
Adjustable flashing 32 to 45 degree	STWAF3245	0.6	Requires storm collar	
Storm collar and sealant	STWSC	0.1	For adjustable flashing	
Gas vent terminal	STWGVT	0.4	Overall height 163mm	
Guy wire bracket	STWGWB	0.3	For attaching stays to pipe	
Chimney pots and terminals			Variations	
Dunvent low profile ridge vent terminal	Dunvent	16.6	3 profiles and 6 colours	
Gastyle II ridge vent terminal	Gastyle	8.3	3 profiles and 6 colours	
Cannon head chimney pot - 300mm tall	Cann300	9.2	Red or buff colour	
Stellgas terminal insert 185mm external spigot	Stell380	10.8	Red or buff colour	
Topguard steel cowl with fixing straps	TG260	1.6	Red or buff colour	

Mini Clearflow Gas Flue Block System - Installation Guide for Timber Frame

System Description

The Dunbrik Mini Clearflow gas flue block system is a neat, efficient method of providing a flue in new domestic dwellings. Gas fires suitable for "pre-cast flues" may be fitted - these are class two gas fires under 7kW input, and include many live fuel effect gas fires. Gas flues to BSEN1858 are often called "precast flues" in the gas fire manufacturers' brochures. For gas fires over 7kW input, an *A1 chimney system* is required, see below..

For timber frame houses the system requires a 777mm wide gap in the timber frame. The flue runs vertically between steel 'U-channels' attached to the timber frame using special flanking blocks. This allows for shrinkage of the timber frame. There is an installation guide for *traditionally built houses.*

The flue outlet depends upon the house design. It is usually through twin-wall flue pipe in the roof space to a ridge vent or to a gas terminal at eaves or through the roof slope. If you require a traditional chimney stack please contact the Dunbrik technical staff.

The gas flue block system consists of concrete fireplace recess blocks, concrete gas flue blocks, concrete flue flanking blocks, U channel, jointing sealant, insulation, metal flue pipe and outlet terminals. The flueway is rectangular 185mm by 90mm giving a flue cross sectional area of 16,650 sq mm. The flue block walls have a minimum thickness of 25mm.

When planning the design, allow for a 75mm clearance between the inner flueway and combustible materials. These include joists and trusses but not floorboards, skirting, dado and picture rails. For twin-wall flue pipe, the required clearance is 50mm. Care is required at the ridge where space may be tight.

Standards and Guidance

The flue blocks are made of concrete and comply with British Standards BSEN1858. They have been tested by BSRIA Limited - BSEN1858 Certificate C18705/2 Issue 2.
Flue block guidance is given in BS5440, NHBC guidance chapter 6.8, the Lead Sheet Association Guide.and the Institute of Gas Engineers Utilization Procedures IGE/UP/7 ref. 1651 guide to “Gas installations in Timber Frame Buildings”. Dunbrik concrete flue blocks are CE marked from 1st July 2013.

Building Regulations

National Building Regulations and guidance documents cover issues regarding Flues and Chimneys, Fire Safety and Sound Insulation; in the UK Approved Documents J, B and E; in Ireland Technical Guidance Documents parts J, B and E; in Scotland sections 2, 3.17 to 3.22 and 5.

Components

The gas flue blocks are made of concrete with a tongue and socket joint for ease of location and construction. This joint is a tight concrete-to-concrete internal joint and an external compressive seal using special heat-resistant silicone sealant applied by cartridge. The blocks have a bonding nib with a 10mm horizontal mortar cut-out to assist coursing with the adjacent blockwork. The flue blocks are bonded with the special flanking blocks into the vertical steel U channel.

The fireplace recess units form an opening for face-fixed or suitable inset live fuel effect (ILEF) fires under 7kW input. The large recess of the M Set accepts a wider choice of appliances.

Dunbrik ridge vent terminals are available for installation as part of the ridgeline. Metal gas vent terminals can be used at either eaves level or above the roof slope.

Technical Assistance

Dunbrik Flues is the specialist manufacturer in the UK of concrete gas flue block systems and chimney flue liner systems for domestic dwellings. We offer technical assistance to help you select your flue system and components. System details and guidance is available on our website www.dunbrik.co.uk.

We can also produce a flue costing based on your requirements, please contact our technical staff for details.

Telephone: 01924 373694 Fax 01924 383459 email: tech@dunbrik.co.uk

Dunbrik A1 chimney systems

For the construction of domestic chimneys (for all domestic fuels) in traditional or timber-frame houses, please ask for details of the *Dunbrik A1 flue liner systems for domestic chimneys*.

Installation Guide Contents

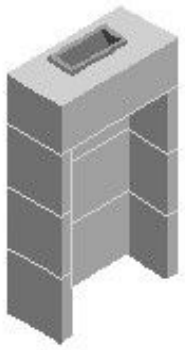
Mini Clearflow Gas Flue Block System - Installation Guide for Timber Frame

Before commencing installation refer to the general flue layout on pages 1 & 2, the walling detail in sections 2 & 3 and the insulation board instructions in section 5. The gas flue and timber frame fittings need a 777mm gap to fit into the timber frame. The frame manufacturer should allow for the gas flue in the timber panels and floor junctions.

1. Gas Fire Recess

The MS recess blocks and MG gather block forms the M set recess.

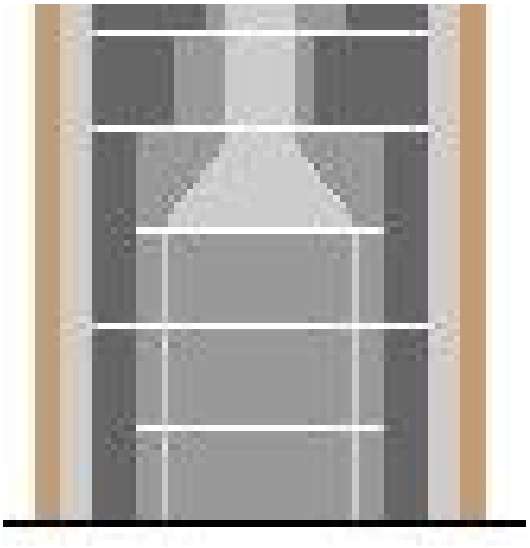
Recess set	M Set
Gather block	**MG**
Recess blocks 3 required	**MS**
Recess dimensions Width depth height	mm 450 220 675
Outer dimensions Width depth height	 554 272 900
Flanking blocks	**P5D** 4 required



M Set

Installation steps

- Nail or screw the U channel to both sides of the 777mm gap in the timber frame.
- Where suspended or screeded floors are to be laid, raise the first recess block and flanking blocks on bricks or blocks above the structural floor level, so that the full 675mm recess height starts at finished floor level.
- Install the first recess block centrally within the U-channel at finished floor level on a 5mm mortar bed.
- Install a further two recess blocks, each on a 5mm mortar bed (not silicone sealant for recess blocks) as illustrated.
- Mortar bed the gather block onto the top recess block. It is important to ensure that the top of the gather block is level in all directions.
- Mortar the flanking blocks either side of the recess blocks on a 10mm mortar bed, keeping a 10mm gap from the U channel on all sides.
- When plaster-boarding seal any gap between the recess units and plasterboard with a continuous 50mm seal of non-combustible plasterboard adhesive.



M Set recess section

Three ref MS recess blocks & MG gather block
Four ref P5D flanking blocks in U-channel

2. Party Wall Sound Insulation

New standards of sound insulation in dwellings under Building Regulations Part E 2003 for England and Wales came into effect in July 2004 requiring demonstration by acoustic testing of the sound insulation properties of separating walls.

The Dunbrik timber frame party wall configuration has been acoustically tested and achieved the new standard required under part E1 of the Regulations (test report available on request). This configuration has not been tested by Robust Details Ltd. Any pre-completion acoustic testing is at the discretion of the local authority Building Control.

This system also satisfies the requirements of Irish Building Regulations part E.

Installation of this system within separating party walls is not permitted in Scotland or Northern Ireland.

Please contact the Dunbrik technical staff for a copy of the test certificate.

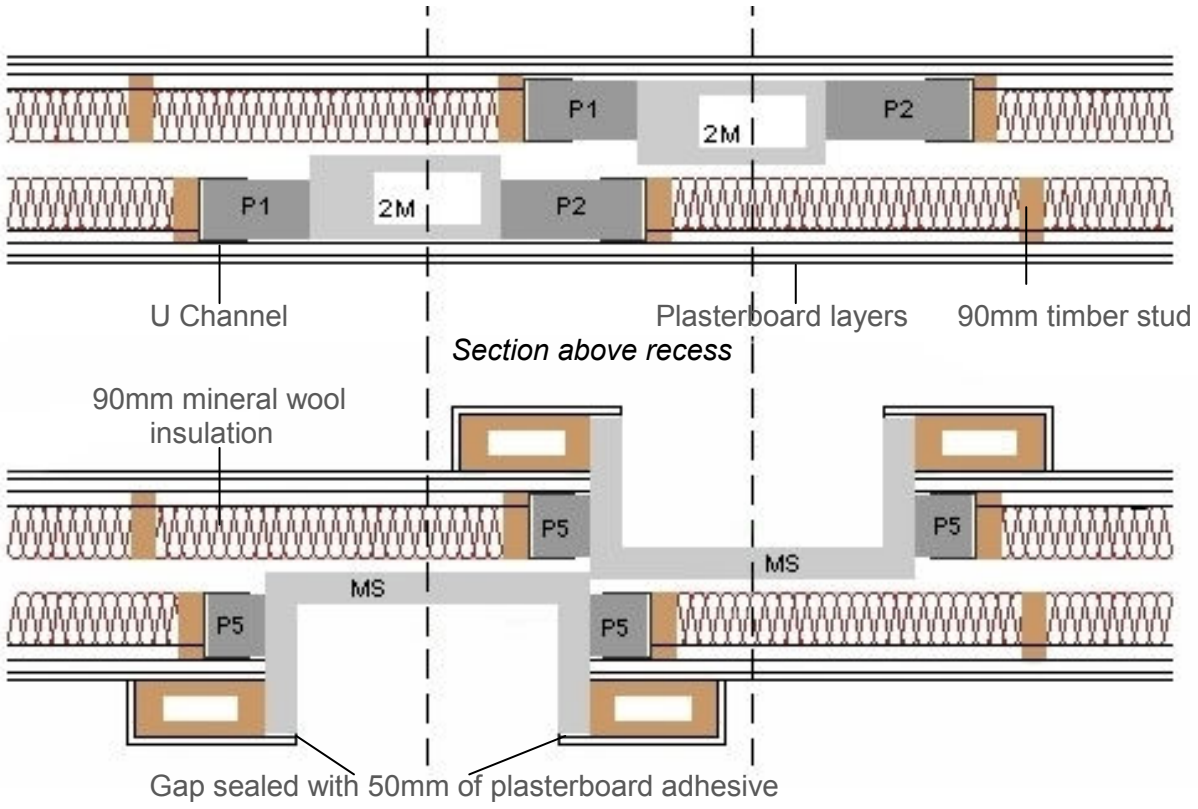
3. Wall Construction for Timber Frame Party Walls

The plan section shows how the gas flue components are incorporated into the timber frame at the recess level and above the recess. The flue blocks have minimum 25mm walls. Maintain a minimum 50mm clearance from the internal flueway to any combustible material.

Two layers of plasterboard (12.5mm and 19mm) are installed across the walling with a 10mm clearance between the plasterboard and the flue block system to avoid heat transfer.

Seal the gaps between the plasterboard and the recess with a 75mm wide seal of plasterboard adhesive.

M Set within a timber frame party wall



4. **Flue Block Installation**

The Gas Flue Blocks are joined with silicone flue block sealant and mortared with flanking blocks to form a solid wall within the 777mm gap in the timber frame. The flanking blocks are restrained within U channel.

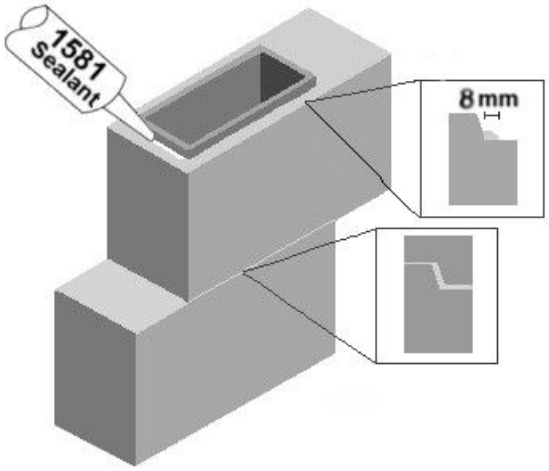
Gas flue blocks should be stored on level ground, preferably covered, and should be inspected for damage before use. Damaged items should not be used.

Between flue blocks and combustible materials maintain a 25mm gap incorporating 12.5mm plasterboard, 2.5mm plaster skim and 10mm air gap, or insert 50mm **Blakbord** insulation panels. Otherwise maintain a 75mm air gap to combustibles.

1581 silicone sealant forms a compressive seal in the tongue and socket joint between flue blocks and withstands the temperature fluctuations encountered in a domestic gas flue. The approximate usage is 7 joints per 310ml cartridges. Store cartridges of **1581** silicone sealant between 10 - 25 degrees. Silicone sealant can act as a skin irritant and also emits small quantities of acetic acid when curing. A product data sheet is available by post or fax and one is accessible on the Dunbrik website, www.dunbrik.co.uk

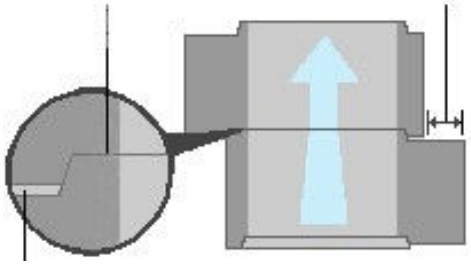
Installation steps

- For the general component layout refer to the diagrams on pages 1 & 2, the walling detail in sections 2 & 3 and the insulation board instructions in section 5
- Cut the sealant nozzle 35mm from the end for a 8mm bead.
- With a caulking gun apply the sealant to the shoulder around the tongue of each flue block. Avoid applying sealant to the top of the tongue
- Install a **2M** straight flue block, socket downwards, onto the tongue of the gather block below
- Scrape the silicone across the joint and remove any excess sealant from the flueway
- Incorporate Blakbord if required, see section 5 below
- Place mortar on the flue block sides and on the top of the flanking block already in place
- Slot the appropriate flanking blocks either side of the straight blocks, keeping a 10mm gap from the U channel on all sides
- Install further **2M** flue blocks with the bonding nibs on alternate sides in each course
- Bond the flue blocks with the flanking blocks, using 10mm mortar joints to achieve a solid wall
- Test the flue at chamber joist level to check the flue joint sealing, see testing procedure in section 13
- Repeat the jointing process for each flue block and flanking block up to the concrete transfer block **4M** or **5M**.
- Test the flue to transfer block level, see section 13



Concrete to concrete inner joint

75mm bonding nib with 10mm cut out



Rebate sealed with 1581 silicone sealant

Gas flue block jointing

with tongue pointing downwards

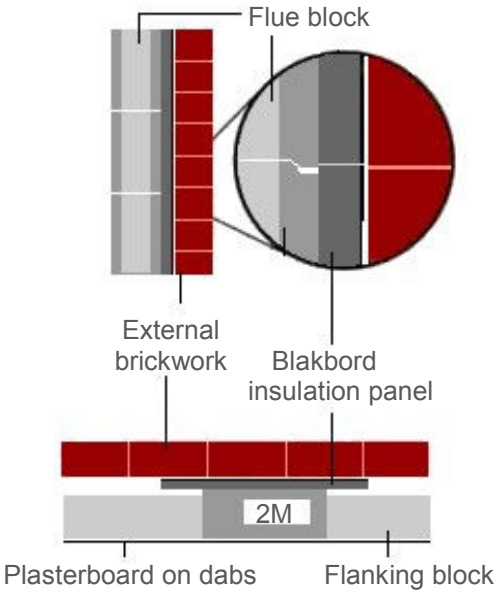
5. **Blakbord Insulation Board in an External Wall**

Blakbord insulation panel prevents cold bridging and damp penetration within the cavity that would affect the performance of the gas flue block system, as recommended by British Standards BS5440-1. See COSHH data sheet for handling and storage.

Install Blakbord within the cavity between external brickwork and the gas flue block system with the damp proof membrane against external brickwork and the 100mm over-sail skirt at the bottom, overlapping on the external side. Install into the cavity prior to installation of gas flue block units.

Installation steps

- Place first Blakbord into cavity, 900mm upright, membrane up to external brickwork, held with wall ties. Install recess units.
- Insert next Blakbord above with skirt overlapping the lower panel on the external side, held with wall ties. Install flue blocks.
- For lateral offsets, turn the Blakbord on its side, 600mm high, to align with the **3Me** Lateral offset blocks when installed.

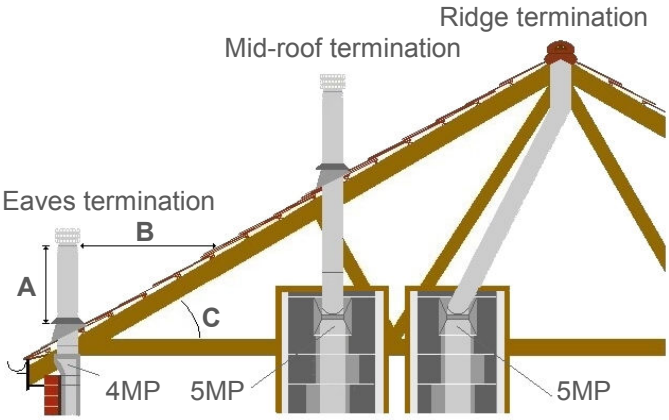


6. Wall Finishes

Use plasterboard, leaving a 10mm airspace between the plasterboard and the flueblock to reduce heat transmission. For an external wall, 12.5mm plasterboard is sufficient. For party walls, use two layers (12.5mm and 19mm) as illustrated in section 3.

7. Flue Termination

Three examples of flue termination using twinwall flue pipe in the roof space to gas vent terminals



Recommended flue heights and clearance from roof slope

A = Distance from roof breakout to underside of GVT
B = Distance from roof slope to underside of GVT, a minimum of 1500mm.
C = Degree of roof pitch

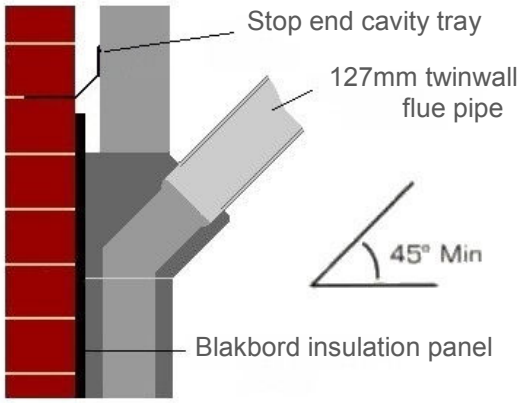
Pitch C Degrees	Height A (minimum)
30	830mm
35	1050mm
40	1260mm
45	1500mm

Ridge terminals

Termination can be to a **Gastyle** or **Dunvent** ridge vent terminal. Dunbrik ridge vent terminals are supplied with a SFL IL 127mm internal diameter twinwall pipe for direct connection to SFL IL pipe in the roof space. Ridge terminals should be a minimum distance of 1500mm away from adjacent higher structures and adjacent terminals should not be less than 300mm apart (600mm from openings in Ireland).

Installation steps (see also twinwall guidance item 8)

- Install a **5M** side exit transfer block. Cement a Dunbrik twin-wall metal flue block connector pipe, **STWBC**, into the circular exit hole using a cement/water paste, leave to set.
- Fit twin-wall pipe from the connector pipe to the terminal, keeping the pipe at an angle no more than 45 deg. from vertical. (In Ireland, no more than 37.5 deg. from vertical)
- Clip or bed the **Dunvent** or **Gastyle** terminal in line with the other ridge tiles. Allow the mortar to set.
- Align the dimples on the twinwall flue pipe coupling with the dimples on the **Dunvent** or **Gastyle**, push together and twist to lock.
- If connecting to pipe other than SFL, use an adaptor and securely fix with gas tape.

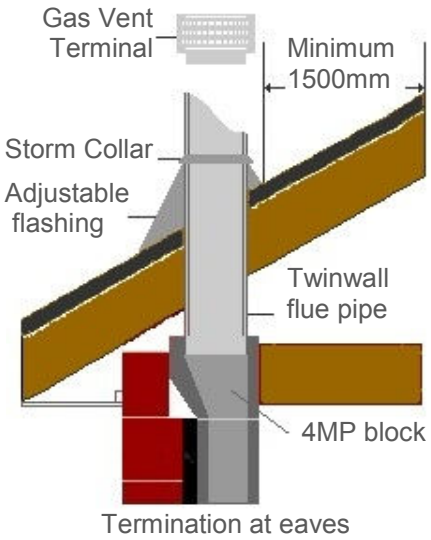


Through the roof slope or at eaves to a gas vent terminal

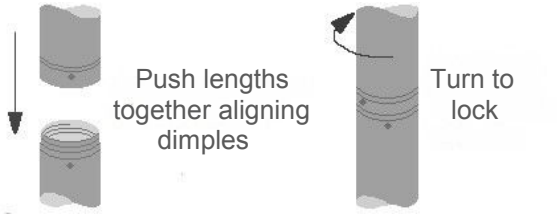
If the required minimum 45 degree angle of twinwall flue pipe cannot be achieved from the flue transfer block to the under side of the ridge tile connector, the twinwall flue pipe can be taken through the roof slope or at eaves.

Installation steps

- Install a **5M** side exit transfer block or **4M** top exit transfer block depending on flue and terminal positions
- Cement a Dunbrik twin-wall metal flue block connector pipe, **STWBC**, into the circular exit hole using a cement/water paste and leave to set.
- Fit twinwall flue pipe from the connector pipe to the terminal, keeping the pipe at an angle no more than 45 degrees from vertical.
- Install an adjustable flashing **STWAF0530** or **STWAF3245** and storm collar **STWSC** for weather proofing.
- Fit a Gas Vent Terminal, **STWGVT**, at the recommended height and roof slope clearance
- Support any pipe higher than 1 metre above the roof breakout point using a guywire bracket **STWGWB** and rigid angle-iron stays to allow for local wind-loading.



8. **Twin Wall Flue Pipe**
Use 127mm twin-wall metal flue pipe to BS715 to connect the concrete gas flue block system to a gas flue terminal outlet. Maintain a minimum clearance of 50mm from twin-wall flue pipe to combustible materials. Do not cut the flue pipe.



Installation steps

- Flue pipe must be fitted by a competent/approved gas installer and tested prior to the installation of the fire.
- Cement an **STWBC** flue block connector using cement/water paste, into the concrete gas flue transfer block and leave to set before joining the first piece of twin-wall pipe
- Join each pipe section by aligning the dimples on the couplers and push fitting together with the inserted piece pointing upwards. Twist the upper pipe 1/6 turn clockwise to complete the connection.
- Connect further pieces, adjustable lengths and adjustable bends to keep the pipe run at no greater than 45 degrees from vertical and near to fixing points.
- Use an **STW18A** adjustable length, to achieve lengths of 75mm to 356mm. Achieve the required length by sliding the **STW18A** over the fixed pipe below it. Secure the pipe by tightening the fixing band supplied around the bottom of the adjustable length.
- Use **STW090** adjustable bends, to angle the pipe around obstructions and near to fixing points. Twist the segments to convert from a straight to the required bend, not exceeding 45 degrees angle from vertical.
- Use **STWB245** wall bands, to support the pipe within the roof space so that it does not pull on the connection to the flue terminal. Screw to a wall or batten to support the flue pipe at not more than 1.8 metre centres.
- Use an **STWAF0530** or an **STWAF3245** angled flashing and an **STWSC** storm collar when going through the roof slope to provide weather proofing. Nail or screw fix the base of the flashing to the roof battens above the cone section prior to tiling and lap the roof tiles over the flashing base. Seal the flashing to the flue pipe. Fit the storm collar and seal it to the flue pipe. The flashing kit is not suitable for profiled roof tiles.
- Fit an **STWGVT** gas vent terminal, when terminating through the roof slope. Twist-lock the terminal to the final section of pipe with the standard twist lock connection.
- Support any pipe higher than 1 metre above the roof breakout point using a guywire bracket **STWGWB** and rigid angle-iron stays to allow for local wind-loading. Ask your structural engineer for support details.
- When connecting to a ridge vent with a rectangular shape connection, fit an **STWRTA** ridge tile adaptor, This adaptor is not required to connect to a Dunbrik **Gastyle** or **Dunvent** ridge vent terminal.
- Make sure that the full flue pipe run to the terminal is a permanent secure connection.

9. **Flue Termination through Chimney Stack**
If you require the flue to exit through a chimney stack, please refer to the Dunbrik technical staff.

10. **Flue draw test**
On completion of the flue system, check that the flue run is complete from the fire recess to the terminal. Carry out a flue draw test to check that smoke draws freely up the flue - see testing procedure below.

11. **Appliance Suitability**
Fires suitable for gas flue block systems to BSEN1858 (often called precast flues) may be fitted. The fire manufacturer should have details of the gas fire suitability. In Ireland, the fire should also be on the Bord Gais listing. An approved installer should carry out a flow test prior to appliance fitting.

12. **Ventilation**
Although suitable fires are rated under 7kW input, and do not need additional ventilation under UK Building Regulations, it may be advisable to install permanent outside air ventilation into the room via an air brick, to ensure proper operation of the flue.

13. **Flue Testing Procedures**

a. Smoke testing during construction

It is advisable to check the flue during construction to reveal any problems at the earliest possible stage.

At chamber joist level we advise that a smoke test be carried out to ensure that all joints up to this level are sealed.

The test needs two people to conduct. Read the instructions on the use of smoke pellets shown on the tube, follow the directions and avoid inhaling smoke. A COSHH data sheet is available by fax or from the Dunbrik website.

- Visually check that the flueway is clear of obstructions, including mortar and silicone intrusions.
- Place a smoke pellet on blocks, 225mm below the gather block and ignite.
- After a few seconds close off the flueway at the top flue block and then close off the fireplace recess.
- Check for any joint leakage (especially in the cavity) and rectify if necessary.
- After any remedial work, repeat the test.

Perform this test again after the 4M or 5M flue transfer block is installed, but prior to plaster boarding over the flue to check that joints are sealed.

b. Flue draw test on complete flue

Once the twinwall flue pipe has been connected to the flue terminal, a flue draw test based should be carried out in accordance with BS5440 or IS813 with no restriction at the fireplace recess.

- Close all doors and windows in the room in which the appliance is to be installed.
- Introduce some heat into the flue e.g. using a blowtorch for at least 5 minutes.
- Place a smoke pellet on blocks, 225mm below the gather block and ignite.
- Ensure that there is no spillage of smoke into the room or leakage from the flue.

The smoke should be drawn freely up the flue and out of the terminal. Should any smoke seepage be observed from joints or seams of the IL flue then those joints and seams should be taped using 50mm wide aluminium sealing tape ref. STWST. If you need further advice, contact our technical staff on 01924 373694.

c. Flow Testing During Appliance Fitting

A smoke test should be carried out in accordance with BS5440:Part 1 or IS:813 in order to ascertain the satisfactory operation of the complete flue system and should be carried out by an approved gas fire installer.

14. **Product safety information**

Product safety data sheets under COSHH regulations are available by post, fax or website for the following:

Smoke pellets, silicone sealant, Dunseal, Dunfil, Blakbord, concrete flue blocks and dense backup blocks.

Manual handling should be avoided as far as is reasonably practical. An assessment should be made, taking into account the load, environment, task and the individual's capacity and training. Employ good lifting techniques. Individual product weights are listed on page 2.

Storage should be on level ground. When stacked, the components should be restrained from falling over. Remove products from the top of the pallet and avoid cutting the wrapping at the side.

15. **UK Gas Flue Checklist** – appendix A

Building Regulations for England and Wales ADJ April 2010 Appendix A sets out a suggested checklist report and certificate to enable a flue installer/chimney builder to show building control how an installation complies with Building Regulations. Dunbrik Flues can provide a checklist with standard data. Some information, such as the actual fireplace opening sizes, actual ventilation installed and variations to usual configurations are added later by the installer/builder when the installation is completed.

16. **UK Notice Plate for Hearths and Flues** – appendix B

Building Regulations (England and Wales J4 and Scotland F3.12) require each flue and chimney to be identified with a notice plate in the dwelling.
To assist you in meeting the requirements Dunbrik are able to supply notice plates and guidance. Details are given in appendix B including a facsimile of a completed plate with sample data for a gas flue.

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Installation Guide Appendix A

dunbrik flues
domestic flue & chimney systems

UK Gas Flue Checklist

Mini Clearflow Gas Flue Block System

This checklist is based on Building Regulations ADJ Appendix A, using *standard* Dunbrik gas flue block data. The builder/installer should insert details of the actual fireplace opening sizes, actual ventilation installed and any variations to the usual data.

Checklist for Hearths, fireplaces, flues and chimneys

This checklist can help you to ensure hearths, fireplace, flues and chimneys are satisfactory. If you have been directly engaged, copies should also be offered to the client and to the Building control body to show what you have done to comply with the requirements of part J. If you are a sub-contractor, a copy should be offered to the main contractor.

1. Building address, where work has been carried out:

_____

ADJ appendix A	**Details to amend or complete**
2. Identification of hearth, fireplace, chimney or flue	*Fireplace in Lounge*
3. Firing capability	*Gas only*
4. Intended type of appliance. State type or make. If open fire give finished fireplace opening dimensions.	*Gas fire - radiant/convector up to 7kW heat input suitable for installation into gas flue block system to BSEN1858*
5. Ventilation provisions for the appliance. State type and area of permanently open air vents	*Additional ventilation not required*
6. Chimney or flue construction a) State the type or make and whether new or existing	*New. Gas flue blocks to BSEN1858*
b) Internal flue size (and equivalent height, where calculated - natural draught gas appliances only)	*185mm x 90mm* *Equivalent flue height =*_____
c) If liners used confirm they are correctly jointed in accordance with manufacturers instructions and state jointing materials used.	*Tongue upwards into rebate and joined with Dunbrik 1581 silicone sealant*
d) If an existing chimney has been refurbished with a new liner, type or make of liner fitted	*Not Applicable*
e) Details of flue outlet terminal Outlet detail: Complies with:	_____ _____
f) Number and angle of bends	_____*lateral offsets at 30 degrees*
g) Provision for cleaning and recommended frequency	*Annual service by Corgi Engineer*
7. Hearth. Form of construction. New or existing	
8. Inspection and testing after completion Tests in Appendix E of AD J 2010	Tests carried out by:
Flue Inspection results: Visual Sweeping Coring ball Smoke Appliance (where included) Spillage	_____ Sweeping not applicable Coring ball not applicable _____

I/We the undersigned confirm that the above details are correct. In my opinion, these works comply with the relevant requirements in Part J of Schedule 1 to the Building Regulations.

Print name and title	_____	Profession	_____
Capacity	_____	Tel No.	_____
Address	_____	Postcode	_____
Signed	_____	Date	_____
Registered membership of (e.g. CORGI, OFTEC, HETAS, NACE, NACS)		Reg.	_____

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dunbrik flues
domestic flue & chimney systems

UK Gas Flue Notice Plate Guide

Mini Clearflow Gas Flue Block System

Building Regulations (England and Wales J4 and Scotland F3.12) require each flue and chimney to be identified with a notice plate in the dwelling. To assist you in meeting the requirements of J4 Dunbrik can supply metal notice plates as example below.

Peel off the protective film. Enter the data with an indelible pen such as a CD marker. Fix the plate securely with strong adhesive to a clean wall in an unobtrusive but obvious position within the building such as next to; the electricity consumer unit; the water supply stopcock; or the chimney or hearth described.

To assist you with the details, gas flue systems supplied by Dunbrik have the following designations, dimensions and appliance suitability:

Flue type	Flue sizes internal	Fire/Appliance suitability
Dunbrik Mini Clearflow gas flue block system to BSEN1858 - T250 N1	185mm x 90mm internal rectangular flue	Gas fires suitable for gas flue block systems (precast flues) to BSEN1858)

Where a flue has a terminal fitted for air ventilation purposes only, the notice must state that "the flue is not to be used for fires".
The equivalent flue height for your Dunbrik gas flue can be calculated by the Dunbrik technical staff.

Example of Notice Plate with *sample Dunbrik gas flue data* (actual plate is metal 147mm by 160mm)

Dunbrik Flues **Notice Plate for Hearths and Flues** IMPORTANT SAFETY INFORMATION This plate must be permanently affixed and must not be removed or covered		
Address of property	*Sample house* *20 Main Street* *Newtown* *N1 ANY*	
Room where hearth, fireplace or start of flue located	*Lounge*	
The flue is suitable for these types of appliances For gas flues the equivalent flue height is	*Gas fires suitable for gas flue block systems (precast flues) to BSEN1858* *---------- meters*	
Manufacturer, flue type and internal dimension	*Dunbrik Mini Clearflow gas flue block system to BSEN1858* *185mm x 90mm internal rectangular flue*	
Installer	*Smith Building Co*	Date installed *01/09/2015*
Other information		
Condensing appliances: Maintenance: Installation guidance:	The flue is not suitable for condensing appliances The flue and/or chimney should be regularly inspected and maintained as advised by a qualified person. Website : www.dunbrik.co.uk Tel: 01924 373694	

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