

Specialist Chimney Services (North East)

Project Review

Auckland Castle

Ivy Cottage, Low Jobs Hill, Crook, County Durham. DL15 9AA.
Proprietor: John J. Alderson.

Tel: 01388 762632. Email: info@chimneysnortheast.co.uk
V.A.T. REG NO. 514 5203 84

Features:

A Listed Building

An Occupied Property

Built around 1300

Structural Instability found in Flue

Flue Offset problem

A High Profile Property



Flue Description

The flue dimensions in this case were: length 9.5 metres; cross section approximately 250mm square with an offset from the gable of the property to the inside of the property, otherwise the chimney was straight.

The resident had been experiencing fumes leaking into the property at the first floor level. We undertook a complete CCTV inspection of the flue and discovered that the gable wall had separated from the internal fabric of the building allowing a gap of 75mm-100mm to develop which was allowing fumes and smoke to leak from the flue into the fabric of the building and ultimately into the upper floor rooms of this historic home.

Project Challenge

Major factors involved with this case were, the age of the property, established around the year 1300 and the fact it is a listed building. This resulted in English Heritage being involved and they would not allow any solution that involved damage to the gable or internal walls of the property. The option of a 200mm flexible steel flue liner was dismissed due to the flue offset; the option of cast in situ was dismissed as English Heritage's restrictions meant we were unable to open the chimney as required.

The FuranFlex system was selected as the most suitable solution as it could be installed without disruption to the property and caused minimum disruption for the elderly tenant.

Solution

The **FuranFlex** installation was quick and involved the minimum intervention in this historic building.

The liner was fully installed and operational in a single day; the liner was introduced into the chimney by 11.00am and the steaming completed by 2.00pm. The whole job was completed by 3.00pm.

The **FuranFlex System** was agreed with English Heritage as the best solution in this particular case due to the minimal intervention required to install a new liner.

The resident was delighted that the job had been completed with the minimum of disruption and mess.

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Specialist Chimney Services (North East) is a long established, family owned business based in North East England. We are experts in chimney lining and have a wide experience of solving problems associated with defective flues. We are especially experienced in dealing with the particular complexities of working on listed and historic buildings and in occupied properties.

This Project Review has been prepared to illustrate how we have solved a particular problem for one of our clients. We are able to offer a range of solutions when lining the flue is required – in this case the right solution was to use the FuranFlex System. We are authorised installers of this system and as such, we have been trained by the manufacturer and we are able to guarantee the product. The FuranFlex System offers a number of advantages to users, including:

- There is no need to demolish walls, homes remain clean during the lining work
- Chimney lining only takes a few hours
- It can be used for all types of boilers and chimneys.
- Even chimneys as high as 80 metres and with a diameter of even 80 cm can be lined without any joints.
- Its internal surface is smooth, its thermal resistance facilitates the economic operation of boilers.
- It does not become corroded. The period of guarantee relating to damage by corrosion is 25 years

The system is adaptable and has been successfully used in many situations:

- ⇒ FuranFlex has lined chimneys in Listed Buildings, bringing back into use large open fires without the requirement of reducing the fire openings or fitting chimney fans.
- ⇒ FuranFlex has relined chemical cabinet ducts, removing the need to open up walls to replace ductwork.
- ⇒ FuranFlex has been used to line existing chimneys to allow condensing and high efficiency appliances to be fitted, maximising the cross sectional area of the chimney.
- ⇒ FuranFlex has been used to line Inglenook fireplaces to ensure the chimney characteristics are not altered ensuring the fires work safely.
- ⇒ FuranFlex can be used on positive pressure chimneys.

The installation is clean and quick, usually performed in one day -

- The chimney is swept and if required a Creosote/Tar removal process is carried out.
- The chimney then has a CCTV inspection.
- The FuranFlex is installed into the chimney from the top or base of the flue.
- Adaptors and any appliance connectors are fitted to the FuranFlex.
- The liner is then inflated with air.
- The steam generators are then connected and the liner "steamed"
- The steaming process takes 1-3 hours after which time the FuranFlex has set.
- The adaptors are removed and the FuranFlex trimmed at each end.
- The appliance can then be commissioned and returned to service.



Guaranteed by



Certified by



For more information on how we can solve your chimney problems contact us using the details below.

t: 01388 762632 e: john@chimneysnortheast.co.uk or visit www.chimneysnortheast.co.uk

Over 1000 installations in the UK