FuranFlex

ideally suited to commercial applications

FuranFlex provides the most cost effective long term solution around

Hospitals

Schools and colleges

SE & U ducts

Building on the success of our domestic installations over the last 2 years in the UK and the last 20 years in Europe in 28 countries, FuranFlex is continuing to expand into the commercial sector, with recent installations including hospitals, schools and colleges, hotels, public houses and restaurants, with many more in the pipeline.

"ALWAYS NEW SOLUTIONS.. NEVER COPYING"
Founder and MD Kompozitor Ltd.

FuranFlex is the original and best solution to all lining applications and is proven and independently tested..

Tested by
BSRIA
BSRIA tested and conforms to BS EN 1443

Certified by
BBA BRITISH BOARD OF AGREMENT
CERTIFICATE No. 12/4936

Listed by
HETAS
LISTED CHIMNEY PRODUCT

Guaranteed by
FURANFLEX 25 YEAR GUARANTEE

25 year insurance backed guarantee by
BJP
Guarantee Protection Insurance

Always specify genuine FuranFlex for guaranteed results

CE

FURANFLEX
advanced lining solutions

KompozitalUK Limited
9 Birch Crescent, Aylesford ME20 7QE Tel: +44 (0) 1622 71 73 74 or +44 (0) 1622 37 0770
www.kompozitaluk.com www.furanflex.com

FuranFlex

the original and the best solution for ALL lining applications

Over 1000 installations in the UK

- FuranFlex technology developed over the last 20 years
- FuranFlex developed in modern research laboratories to ISO 9001/14011
- Over 3 million metres installed as lining in over 28 countries
- FuranFlex independently tested and certificated in every country
- FuranFlex is backed by a 25 year manufacturer's guarantee

CE

FuranFlex

ideally suited to domestic applications

BSRIA tested and conforms to BS EN 1443

Domestic chimney lining by FuranFlex provides complete peace of mind

Why line the chimney?

In recent years there have been many deaths in the UK, caused by carbon monoxide poisoning, due to the acidic condensates precipitating from flue gasses, which corrode mortar, concrete and sometimes even stainless steel.

To avoid this, all gas and oil heated chimneys must be lined against corrosion.

What is the solution?

The most common techniques involve inserting corrosion resistant tubes into the existing chimney.

This can cause several problems - for example, stainless steel tubes cannot be inserted into a long, faulty, crooked chimney, without joints and breaking the walls, whilst thin walled (0.3mm) stainless steel flexible tubes can be pulled into a non-linear chimney but they are prone to corrosion.

To solve these problems, FuranFlex has been developed and used successfully for over 20 years in more than 28 countries, with over 400 successful installations in the UK in the last 12 months.

What about wood burning stoves?

FuranFlex has been installed in many listed buildings to ensure the flues are safe to use. The works have been carried out in one day for each chimney with minimal disruption to the building.

Inglenook fireplaces

FuranFlex is manufactured with a gather (splayed end) to line from the gather and up through the chimney. This means the characteristics of the chimney are not changed, but improved gas flow allows the appliance to be operated without adjustment to fire opening dimensions or the requirement for a chimney fan.

NEW FuranFlex RWV RED

FuranFlex has recently introduced its latest liner for high temperature applications such as wood burning stoves and this provides the perfect solution.

FURANFLEX is shock tested for soot fire to 1000°C

FuranFlex

don't take risks with cheap imitations... ...always specify genuine FuranFlex liners

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 12/5006

What is FuranFlex?

FuranFlex is based on a glass fibre reinforced thermosetting resin, which is as strong as steel, when set, but has much better corrosion resistance than other methods.

It is extremely thin (circa 3mm), has no joints and is installed by our factory trained engineers, providing the guaranteed solution for all lining applications.

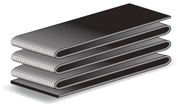
Where does FuranFlex come from?

FuranFlex was developed in Hungary over 20 years ago and over 3 million metres has been successfully installed throughout Europe since its introduction.

It is established as the No1in Europe and over 400 successful installations have been carried out in the UK in the last 12 months.

How does FuranFlex work?

A FuranFlex tube consists of three layers which, when delivered, takes the form of a soft flexible tube folded into a compact pack.



The Furanflex liner comes deflated has to be inserted into the flue before being inflated to the flue size. Once the liner is in place a steam generator is attached and it is heated.

Once hardened the FuranFlex liner is as strong as steel liners and provides a perfect gas tight lining ready to use.

The installation process of FuranFlex is very clean and non intrusive with most installations completed in one day.

Why choose FuranFlex?

- The most flexible lining system available, from 50mm to over 1000mm diameter
- Follows the exact path of the flue/ductwork
- Maximises lining diameter for efficient operation
- One of the highest fire resistance liners (tested and proven)
- High insulation for better fire containment
- Best corrosion resistance – protecting occupant's health
- Quick & clean to install – minimises disruption
- Long working life – best value for money
- Guaranteed for 25 years – for your peace of mind

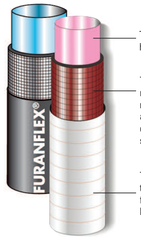
Which FuranFlex do you need?

FuranFlex

FuranFlex Black	FuranFlex RWV Red
Gas & oil boiler flues	Wood burning stoves
SE & U ducts	Solid fuel
Air conditioning ducts	Kitchen extractors
Drainage	

FURANFLEX 25 YEAR GUARANTEE

FuranFlex composition



The internal layer facilitates installation, it is a thin-walled (100 - 150 microns) plastic hose made of a mixture of thermoplastic components.

The intermediate composite layer is the heat, flame and corrosion resistant structural material of the FuranFlex® chimney liner tube. Composite means resin of high solidity reinforced with thin glass fibres.The solidity of composite materials is determined by the amount, type and direction of the thinner-than-hair reinforcing fibres. One square metre of the wall structure of the FuranFlex liner tube contains 3,000,000 metres of factory specified fibre.

The external layer is a thin fabric woven from synthetic fibre. Its function is to protect the composite layer and to ensure the exact perimeter of the chimney tube. Its other function is to form a homogenous external surface. The brand name "Kompozitor-FuranFlex®" is printed on it, as is a metre scale indicating the length of FuranFlex used.

FuranFlex specification

	FuranFlex (black)	RWV (red)
Fuel	gas and oil	wood (and solid)
Operating temperature in flue gases	T400°C (O) (tested to 500°C thermo performance test)	T450°C (G) (shock tested to 1000°C - soot fire)
Cold resistance	- 50°C	- 50°C
Wall thickness	2 - 2.5 mm	3 - 4mm
Diameter (optional within this range)	50 - 1000 mm	100 - 800mm
Length (optional) (min and max length installed so far)	3 - 81m	3 - 60m
Operating conditions	wet	dry
Density	1.5 g/cm^3	1.5 g/cm^3
Tensile strength	100 - 150 N/mm^2	70 - 90 N/mm^2
Thermal conductivity	0.4 W/m K	0.4 W/m K
Coefficient of thermal expansion	2.4 x 10 - 5 m/m K	2.4 x 10 - 5 m/m K
Soot fire resistance	no	yes
Boiler types	P1	N1
EU classification	(EN-14471) T250 P1 W2 R1 O50 E	BS EN 1443 T450 N1 D 3 G (BSRIA)

FuranFlex

ideally suited to a wide range of applications

HETAS

Ventilation

Air conditioning

FuranFlex can be installed into existing ductwork to ensure a gas tight duct and has a very smooth inner surface to minimise turbulence and noise. Furanflex can be usually fitted in one day and access is only required at each end of the duct.

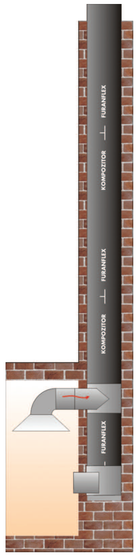
Kitchen extractor ducts

FuranFlex is installed as one continuous lining, totally waterproof and airtight making it ideal for kitchen extractors, providing a smooth easily cleaned duct and access is only required at the ends. Kitchen extractor ducts up to 1000mm diameter and over 50m in length have been installed swiftly to ensure the kitchens do not have to close.

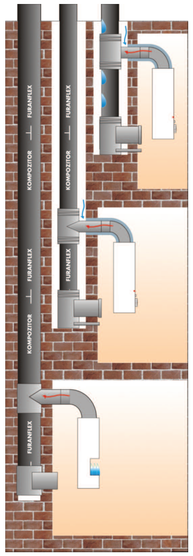
Chemical exhaust ducts

FuranFlex has been installed in chemical cabinet ducts, oil refinery ducts and with a very quick installation time and minimal downtime production is not interrupted.

Air technology



High efficiency open vent and condensing boilers



Drainage

FuranFlex is totally waterproof, is 100% gas tight and carries an insurance backed 25 year guarantee.

SE & U ducts

FuranFlex can be installed and branches fitted during installation to allow the boilers to be refitted in the same position.
This gives a totally gas tight duct for the boilers to operate safely and the only joints are where the boilers are fitted so they can be inspected during routine maintenance intervals.
As the FuranFlex is waterproof, it also allows suitable condensing boilers to be fitted.

Drainage

Fall pipes

FuranFlex has been widely used to line existing fall pipes and as the lining material is only 2.5mm thick does not reduce cross sectional area substantially. This can be achieved even if there is only access to the pipe at one end and leaves a smooth lining, strengthening the pipe.