



TERMS & CONDITIONS

THE WARRANTY WILL NOT BE ACTIVATED UNLESS YOU HAVE COMPLETED THE REGISTRATION FORM
[CLICK HERE](#)

DESCRIPTION

The 316: 316/904 and 904 products are twin wall flexible liners suitable for lining masonry chimneys, and should not be placed near combustible materials. All the range is manufactured from the highest grade austenitic stainless steel profiled strip which is rolled and seamed in a continuous process and which results in a product with smooth inner surface and robust outer casting. The 316 and 904 liner is manufactured from 316L and 904L INNER AND OUTER. Both products offer excellent corrosion resistance.

OPERATING AND GUARANTEE

All of our flexible flue liners have a non-transferrable lifetime guarantee (valid for the lifetime of the installed stove) against corrosion by the products of combustion as emitted by the burning of gas, oil, wood and coal (Details of suitable fuels can be obtained from HETAS). The guarantee applies providing the liner is correctly installed by a competent person on an approved appliance, maintaining a controlled vented air space with clean stack walls, the liner is regularly cleaned and inspected and the stack is otherwise maintained and sealed.

Excluded from the guarantee are chimney liners installed in hairdressing and dry cleaning establishments or anywhere hydrochloric or hydrofluoric vapours are present. Also excluded liners connected to fully condensing boilers or where any chemical cleaning sprays are being used.

OPERATING TEMPERATURE

The product certification conforms to building regulations and is tested to BS EN 1856-2:2004.

FLUE ROUTE AND TERMINATION

Installations shall meet the requirements of Building Regulations Document J.

PASSAGE WAY CHECK/TEST

Prior to installing the chimney liner the internal passage way of the chimney must be checked. This is done by using one meter test length of liner of the same diameter as that which is to be installed. The one meter length should be fitted with a nose and two suitable lengths of rope, one of which should be passed through the passage prior to fixing to the nose. The check/test should be conducted by drawing the test length through the chimney passage way in the proposed direction of installation of the main liner. The liner will run more easily if the fine coil spring is wrapped around the liner, providing a roller action.

NOTE: If at any time the one meter test length wedges in the passage way, it may be withdrawn by pulling the rope on the opposite end to redeem the test length.

CLEANING AND REPAIR OF EXSITING CHIMNEY

It is important that the chimney to be lined be thoroughly cleaned using the correct equipment. This should be carried out by a competent chimney sweep. The internal face of the chimney should then be checked to ensure it is clean. The external face should then be checked for damage and any damage should be repaired prior to installing the liner, to ensure it is structurally sound and rainwater cannot penetrate into the cavity.

MEASUREMENT ASSESMENT

Dropping a weighted line through the stack and taking measurements can assess the length of chimney flue liner required. It should not be necessary to cut the liner after installation if reasonable care has been taken with the measurements. If it is for any reason necessary to cut, once installed, it is best to have surplus to be cut at the top.

NOTE: Recommended clearance between the chimney shaft and outside diameter of the flue liner is 25mm, this is only applicable to chimney shafts made of bricks or other non-combustible material.

UNPACKING INSTRUCTIONS

When unpacking the product, uncoil flex from the outside of the coil, removing packaging to do so. This is necessary to avoid exceeding the minimum curvature radii. Uncoiling from the inside of the coil will damage the flex and void your warranty. Please retain the packaging for future reference.

CUTTING INSTRUCTION

Cut proof gloves should be used when cutting and handling as the product has sharp edges exposed.

Place the tube on a flat surface and clamp, having fully stretched the tube in the region to be cut and twice bound the section where cutting is required with an adhesive duct tape. Cut on the raised convolution, not in the groove, using a deep-bow hand saw. To secure the cuts ends the adhesive tape method is satisfactory.

INSTALLING THE LINER

The work required for securing the bottom support bracket/plate and clamp bracket at the top and bottom of the stack should be carried out in such a way as to allow free passage of the liner without possibility of causing friction on the liner or catching the stack, The nose cone will allow easy penetration of the liner without causing friction.

The length required to be installed should be either on the roof or positions at the base of the chimney depending from which end of the chimney is it to be installed. Prior to installing the liner a nose cone and rope (Rope being passed through the chimney passage way first) should be fixed to the correct end of the liner in keeping with the direction of the flue gas flow as indicated by the arrows on the liner (**Arrows must point upwards**).

The liner should then be introduced into the chimney by pulling the rope through the aperture. One person should stand at the point of entry of the stack to guide the liner through during installation; the liner should project from the base of the chimney by sufficient length to connect to the flue pipe. If the installed length is over 12 meters, supports should be installed at 12 meter intervals.

PLATE AND CLAMP

Fit clamp and closure plate at the top of chimney. If it's intended to mortar clay pot, apply mix over plate, re-locate the pot.

SUSPENDING COWL

Used to suspend a flexible liner from the top of a chimney pot without the need for the plate and clamp.

TERMINATION

The code of practice CP131 does not generally recommend terminals for a number of reasons, one of which is that it affects the ability to clean and can also lead to premature build up of soot. However many chimneys are located in conditions where down draughts occur, our anti-down draft cowl or Roto cowl are effective in these conditions. If using a terminal, ensure users know why a terminal is being used and that sweeping facilities are not impaired.

CONNECTION OF LINER APPLIANCE

When connecting the liner to a wood burning stove, a short length of either single skin or twin wall insulated flue pipe must be used directly off the appliance. An adaptor should then be used to link the flue pipe and the flexible liner together. Remember that the spigot crimped end of the single skin flue pipe must point downward to allow condensation to drain.

AIR GAP VENTING

A simple way of maintaining the air gap is to insert horizontally 2 x 15mm copper pipes. It is important not to exceed a venting area of 5s. cm (i.e. 22m if single bore tubing).

BACKFILL/INSULATE

We recommend that all installations be back filled or insulated with a high density mineral wool such as rockwool to improve the resistance to corrosion of the liner.

CHIMNEY NOTICE PLATE

The plate should be permanently and indelibly marked and fixed in a visible position. The plate must not be covered or removed. Possible locations are by cleaning/inspection access, the side of the fireplace, at the chimney inlet or possibly by the electricity/gas/water meter. Guidance on completing the 'Installation Designation'. The 'Installation Designation' shall reflect the combination of products installed. IF IN DOUBT please call the sales or Technical Department.

HANDLING AND STORAGE

Please handle all flexible flue liners with care and ensure that they are stored in a suitable location and on suitable surface so as to avoid damage. Please also ensure that the products are not bent beyond the curvature radii detailed in the product brochures as this will cause the inner to deform and may damage the product beyond use.

COMPETANCE

It is important that any personnel installing or carrying out work or maintenance on appliances and flues is suitably qualified and competent to do so. More frequent maintenance on application. HETAS registered personnel should be employed to install and work on solid fuel appliances and their flues. The client shall be made aware of the need for regular maintenance by people competent to carry out such work. Please note that for some applications i.e. Maintenance of liners for solid fuel appliances, the chimney sweep shall require qualifications as well as competence.

ON COMPLETION OF INSTALLATION OF FLUE LINER, CLEANING AND MAINTENANCE

After installation a pre-commissioning inspection shall be carried out followed by a suitable smoke test (Depending upon fuel and application) and any problems rectified and re-commissioned before chimney plate is located.

Following commissioning all user instructions shall be left with client and as far as practicable; the client shall be instructed in the correct and safe operation of the appliance and suitable fuels.

Below are basic operating and maintenance instructions:-

- Ensure that the appliance is running as efficiently as possible.
- Empty ash from solid fuel appliances regularly, and ensure that the appliance is maintained in accordance with its manufacturer's instructions.
- The following checks are to be carried out on commissioning and on regular basis therefore after, (annually as a minimum however some systems may require more regular inspections)
 - Check that the liner is suitably supported
 - Smoke test to ensure that the passageway is clear
 - Good visual inspection internally and externally to ensure that no damage has been caused to the system especially exposed sections which may be more susceptible to damage and corrosion
 - Check that the terminations are free from blockage and that flashings still provide water tight seals.
 - Check all components are still secure.

Inspection of the chimney is necessary to determine the frequency of sweeping required.

Please note that with solid fuel appliances, qualified chimney sweeps/members of NACS (National Association of chimney Sweeps) should be employed to carry out correct and thorough cleaning. The correct brush size and type must be chosen for each system and other suitable equipment will be required to ensure that the liner is not damaged during the cleaning process. It is important that your customers are aware that with solid fuel burning, particularly if low grade fuels, wet wood or coal mixes are used, soot and tar deposits form, and the chimney should be swept more regularly. Chimney fire may damage the liner should the temperature reach 800°C for any period of time in excess of 15 minutes and consequent use will subject steel to more rapid corrosion than would otherwise occur. The vented air space will protect the whole structure both at low and high temperature operation.

CAUTION

All 316 stainless steel products, although have a very high corrosion resistance, are at risk when exposed to relatively high sulphur content fuels, such as processed coal products smokeless fuels, particularly if the appliance can be left burning all night. When the appliance is under fired, the flue gas temperature is low, and excessive condensation can result. This level of condensation and high sulphur content fuel can very quickly destroy even the best quality twin wall liner. 904L has a better corrosion resistance than 316L. Your HETAS registered installer will advise on which products to avoid.

DO NOT USE CHEMICAL CLEANERS!!!!

GUARANTEE SCHEME - SOLID FUEL FLEXIBLE FLUE LINERS

FSM group offers a non-transferrable lifetime guarantee (for the life of the installed stove) for 316, 316/904 and 904 liner against effects due to faulty manufacture or defective materials. This is valid when the liner is used for its intended purpose of providing a liner for flue gases in a suitable chimney serving domestic appliances fired with solid fuels (wood or coal), oil natural gas or L.P.G.

These warranty schemes are subject to the following conditions:-

1. The guarantee scheme registration card/online form must have been completed and submitted to FSM group within 28 days from date of installation. The customer will receive acknowledgement of receipt.
2. All complaints should initially be reported to and investigated by the installer. Should a fault in the liner be suspected, the installer should notify FSM group in writing within 14 days of discovering the fault with copies of the supply invoice, the acknowledgement of registration and records of proper sweeping and inspection as recommended in the installation and maintenance instructions and by a competent chimney sweep.
3. The liner has been correctly installed as detailed in the current installation manual by a competent person and that the chimney itself is properly constructed in suitable materials. The chimney must have been thoroughly cleaned of all soot deposits and checked to make sure that no combustible materials are present. The chimney must also be in good condition, water tight and wind proof.
4. Any faults found should be rectified before installing the liner.
5. After installation the chimney, liner and all flue ways must be regularly checked, cleaned and maintained as detailed in the current FSM group installation instructions. This will avoid a build up of soot which could cause a chimney fire or a collection of condensation which could result in premature and excessive corrosion. (Evidence will be requested in the event of a claim)
6. The liner must have been installed in one complete length without damage or modification before, during or after installation. All fittings adaptors, connectors and ancillaries must be supplied as standard by FSM group.
7. The product is suitable for the appliance.
8. The appliance is installed, operated and maintained in accordance with the appliance manufacturers instructions.
9. Should any complaint be found to have been caused by faulty inspection, poor or insufficient maintenance, incorrect operation or any abuse contrary to these conditions then the cost of the site inspection will be chargeable.

Should all of the above conditions have been met after inspection of the site, product and completion of tests and the product is in the opinion of FSM group "unsatisfactory" due to faulty workmanship or defective material the company will provide a replacement length of liner.

The guarantee provides only for the replacement supply of a length of equivalent liner and does not cover the cost of builder's work, removal, reinstallation, fixing insulation or any other incidental or consequential cost whatsoever. These are the responsibility of the customer and it is on this basis that the liner is offered for sale and warranty. Reasonable efforts will be made to provide a replacement liner to the same specification as originally used but FSM group reserve the right to provide the nearest equivalent type and size of liner available at the time of replacement. Cash refunds or payments will not be made in lieu of providing replacement length for agreed claim.

Cautions: See Installation and Maintenance instructions

Statutory Rights:

This guarantee scheme does not affect the rights of the buyer.

Exclusions:

This guarantee only applies to installations made in England, Scotland, Wales, Northern Ireland and the Republic of Ireland. It is a condition of this warranty that the customer has paid for the installation in full at the time of application. Specifically excluded from this guarantee is any liner installer for use with fully condensing boilers, or where harmful chemical fumes, such as chlorine or halogenic vapors are present.

The Guarantee is valid for the lifetime of the installed appliance registered on the FSM group warranty form and is non-transferrable.

All our liners conform to BS EN 1856-2 and have been tested and approved to comply with Document J Building Regulations