The Arbeia Stove Collection



ARBEIA STOVE COLLECTION

ron stoves

Cast Tec have been supplying quality cast-iron fireplaces and stoves to the UK heating industry for over 20 years. Using our long established foundries, which are renowned for superior quality cast-iron products, we would like to introduce you to the Arbeia Collection of multi-fuel stoves, which are manufactured in the same time honoured tradition using our experienced and highly skilled staff.

In addition to this quality guarantee, our stoves are manufactured using only premium grade cast-iron and heavy gauge steel. We believe our stoves are robust and will last for many years when used with care and attention. For this reason we are confident to offer a 5 year conditional warranty covering your stove body (see conditions page 39) when purchased from an authorised stockist and fitted by a qualified heating engineer.



pages 14-23







....renewable energy is the future!

In a world of dwindling resources, we have some rare good news about our beautiful planet. Wood logs are considered to be carbon neutral! If you burn

seasoned wood, the carbon dioxide emitted equals the carbon monoxide absorbed by the tree whilst growing. This means that wood is a renewable and sustainable source of fuel when taken from a managed environment.



....what about efficiency?

Renewable energy is a good start but what about the efficiency in which it burns? In the Arbeia Stove Collection we have some more good news. Our stoves have an efficiency ranging from 74% to 81% under tests to achieve CE certification and have therefore been granted an exemption by DEFRA which allows them to be used in towns and cities which are designated smoke controlled areas.*

*The Cougar Inset is still pending DEFRA.

Contents

COUGAR 5	6
COUGAR INSET	8
NORVIK 5	10
ALBERG 7	12
JUNO 5	15
VULCAN 8	16
TRAJAN 5	18
TITUS HOLE IN THE WALL	20
TITUS 5	22
SOLID FUEL INTEGRA	24
MAJESTIC INTEGRA	25
TILES	26
OXFORD INTEGRA	27
FLEXIBLE FLUE LINERS	28
STOVE PIPE	30
COWLS & TERMINALS	31
HEAT RESISTANT BOARDS	32
CAST-IRON FASCIAS	33
MANTELS	34
LIMESTONE PACKAGES	35
COAL BUCKETS	36
COMPANION SETS	
ACCESSORIES	



COUGAR 5

The Cougar is an elegant cast-iron stove with a modern feel and robust performance. Designed and engineered to be efficient and kind to the environment, this 5kW freestanding stove will grace any room whether in a traditional or contemporary setting.

A multi-fuel grate allows the Cougar to burn seasoned wood or smokeless fuels. The Cougar benefits from triple burn technology consisting of Primary Air Burn (control on door), Airwash Secondary Burn (lever above the door) and Tertiary Air which remains fixed in an open position under the stove. The tertiary air system mixes pre-heated air with the exhaust gases allowing the exhaust gas to re-ignite producing a cleaner and more efficient stove.

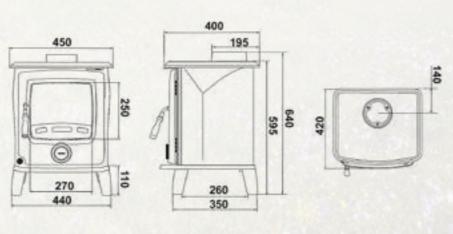
The mantel shown is the Edwardian Corbel in Limestone with a shelf length of 1500mm (59") or 1350mm (53"). The fireplace chamber is lined with Heat Resistant Boards (House Brick) in a natural finish and the hearth below consists of Honed Black Granite (see Limestone Mantel Packages - page 35).

Key	Facts:
	1

Nominal Heat Output Construction Weight Flue Outlet Efficiency Wood Efficiency Anthracite **DEFRA** Approved

99Kg 74.7% 77.4% Yes

Up to 5kW Cast-iron Top or Rear (125mm) 5"





COUGAR INSET

The Cougar Inset is an efficient and sturdy cast-iron inset stove with a large glass window to allow for the maximum view.

A multi-fuel grate with external riddling control (to the left of the door) allows the stove to burn seasoned wood or smokeless fuels.

The Cougar Inset benefits from Primary Air Burn (control on door), Airwash Secondary Burn (lever on right of door) which helps to prevent soot deposits to the glass window and a steel Convection Chamber which allows cold air to enter below the stove then to pass up through the chamber as it warms entering your room via air vents above the stove door.

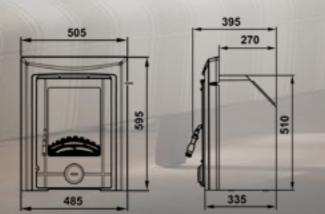
The mantel shown is the Holyrood in Sandstone with a shelf length of 1372mm (54"). The cast-iron insert is the Hilton Fascia shown in a Highlight Polished finish and the hearth below consists of Polished Black Granite.

Key Facts:

370

E

Nominal Heat Output	Up to 5kW		
Construction	Cast-iron		
Weight	75Kg		
Flue Outlet	(125mm) 5		
Efficiency Wood	78.5%		
Efficiency Anthracite	75.7%		







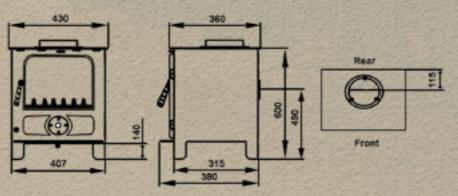
The Norvik is versatile cast-iron stove which looks attractive amongst most styles of décor.

A multi-fuel grate with external riddling control (to the right of the door) allows the stove to burn seasoned wood, smokeless fuels and peat.

The Norvik benefits from **Primary Air Burn** (control on door), **Airwash Secondary Burn** (above the door) which helps to prevent soot deposits onto the glass window and **Tertiary Air** (under the door) which allows the mixing of pre-heated air with the exhaust gases causing the exhaust gas to re-ignite producing a cleaner and more efficient stove.

Key Facts:

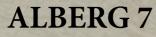
Up to 5kW
Cast-iron
89Kg
Top or Rear (125mm) 5"
81%
Yes



measurements in millimetres

10





 $T^{he Alberg 7 is larger than the other cast-iron stoves and caters} for those requiring a higher heat output. A simple design allows the Alberg to suit almost any situation.$

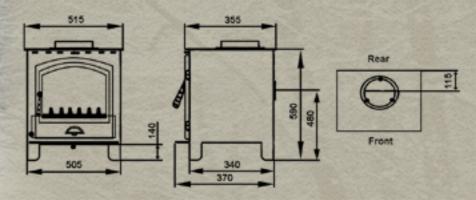
A multi-fuel grate with external riddling control (to the left of the door) allows the stove to burn seasoned wood, smokeless fuels and peat.

The Alberg also benefits from **Primary Air Burn** (control on door), **Airwash Secondary Burn** (above the door) which helps to prevent soot deposits onto the glass window and **Tertiary Air** (under the door) which allows the mixing of pre-heated air with the exhaust gases causing the exhaust gas to re-ignite producing a cleaner and more efficient stove.

The mantel shown is the Keswick in Solid Oak with a shelf length of 1200mm (48") or 1350mm (53"). The Keswick is also available in Solid Pine.

Key Facts:

Nominal Heat Output	7kW
Construction	Cast-iron
Weight	99Kg
Flue Outlet	Top or Rear (125mm) 5"
Efficiency	81%
Air Vent Required	Yes
DEFRA Approved	Yes







Key Facts:			
Nominal Heat Output	Up to 5kW		
Construction	Steel & Cast-Iron		
Weight	74Kg		
Flue Outlet	Top or Rear (125mm) 5"		
Efficiency Wood	79%		
Efficiency Anthracite	74%		
DEFRA Approved	Yes		

VULCAN 8

The Vulcan stove is similar in design to its sister, the Juno 5 (see pages 14-15), having the benefits of a wide screen, multifuel grate and triple burn technology.

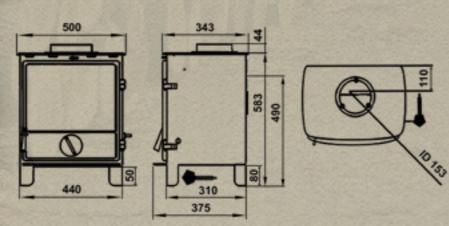
The Vulcan is, however, deeper in size, enabling it to produce more heat for those requiring a higher output.

The mantel shown is the Edwardian Corbel in Limestone with a shelf length of 1500mm (59") or 1350mm (53"). The fireplace chamber is lined with Heat Resistant Panels (Reeded design) in a natural finish and the hearth below consists of Honed Black Granite (see Limestone Mantel Packages - page 35).

Key Facts:

Nominal Heat Output Construction Weight Flue Outlet Efficiency Wood Efficiency Anthracite Air Vent Required DEFRA Approved

t Up to 8kW Steel & Cast-iron 81Kg Top or Rear (150mm) 6" 78.6% 81% Yes Yes





TRAJAN 5

The Trajan is an inset wood burning stove designed to fit into L a standard (16") fireplace opening (even with original clay firebrick in situ). This simple but elegant stove could transform your open fireplace and bring with it additional heat and efficiency.

The Trajan benefits from a Tertiary Air System and is shown with a 3 sided trim option, but is also available with a 4 sided trim creating a hole in the wall effect (see page 20).

The mantel shown is the Limerick in highlight polished castiron (also available matt black). The porcelain tiled hearth and recessed back panel is Ciara Slate and is supplied slabbed and reinforced to cope with the rigors of solid fuel.

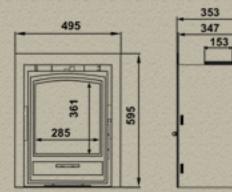
Tile Specifications:

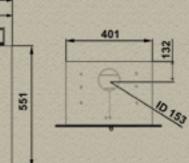
•Ciara Slate Hearth: 1460mm x 438mm x 65mm • Ciara Slate Recessed Back Panel: 980mm x 974mm x 70mm

> Tiled Hearths and Back Panels are available in bespoke sizes and individual tiles are 146mm square.

Key Facts:

Nominal Heat Output	Up to 5kW
Construction	Steel & Cast-iron
Weight	76Kg
Flue Outlet	Top (150mm) 6"
Efficiency	80%
Finish	Matt Back
DEFRA Approved	Yes





Cast-iron



TITUS HOLE IN THE WALL





see page 22 for specifications

TITUS 5

The Titus is a steel inset stove similar in design to the Trajan (see pages 18-19) but it has a wider window display and a general overall width which is 100mm (4") wider than the Trajan.

The Titus comes with a standard 3 sided black trim (as shown) but is also available with a 4 sided trim option (see pages 20-21) to allow the stove to be fitted higher up the wall or chimney breast as a 'hole in the wall' effect.

The Titus benefits from a Tertiary Air System (this mixes preheated air with the exhaust gases causing the exhaust gas to reignite producing a cleaner and more efficient stove).

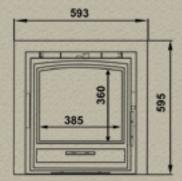
The mantel shown is the Lindisfarne in Turkish Limestone (also available in Mocha Beige marble) with a shelf length of 1350mm (53").

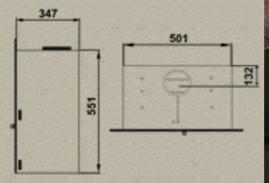
The cast-iron insert is the Pentlend Fascia shown in an Antique Finish (see Fascias page 33) and the hearth below consists of Honed Black Granite.

Key Facts:

Nominal Heat Output	Up to 5kV
Construction	Steel & C
Weight	80.4 Kg
Flue Outlet	Top (150r
Efficiency	80%
Finish	Matt Blac
DEFRA Approved	Yes

Cast-iron mm) 6"







SOLID FUEL INTEGRA

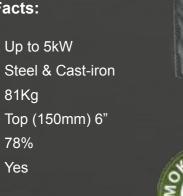
The Solid Fuel Integra (shown) is an efficient glass fronted inset stove specifically designed to integrate with a traditional cast-iron fireplace. The stove box is manufactured in steel (with a cast-iron door) and is suitable for wood burning and smokeless fuels.

An Airwash system helps to keep the window clean allowing you to enjoy the flame pattern in full. The door simply clips open and closed with an operating tool.

A choice of Integra cast-iron insert is available with arched or tiled options. (see below).

Key Facts:

Nominal Heat Output	ι
Construction	S
Weight	8
Flue Outlet	Ē
Efficiency	7
DEFRA Approved	





measurements in millimetres



Royal



Ashbourne Black



Majestic



Ashbourne Polished



Regal



Oxford



MAJESTIC INTEGRA

TILES

H and painted tubeline tiles were manufactured traditionally to withstand the high temperatures generated by a working fireplace and performed the practical function of reflecting heat into the room when placed at an angle facing inward.

The Arbeia Tile Collection has a choice of four tile sets and numerous colour options. Two five tile runs make up a set to fit into an Integra tiled insert. The Field Poppy tile set includes a left and right handed design.

Our hand painted tubeline tiles are manufactured in the UK in the traditional way and will be subject to colour variation and crazing.

Field Poppy







Ivorv

Red

Ivorv

Yellow

Ivory Blue Ivory

Orange

Cast-iron Sleeves are an alternative to the more colourful tubeline tiles.

Sleeves are supplied in pairs to suit an Integra casting and these are available in a matt black, antique or highlight polished finish.

There is a choice of four cast-iron sleeve designs and the Mediterranean Poppy has a left and right handed design.





Oriental Iris





Honey

Yellow



Ivory Burgundy

Ivory Pink

Cast-iron Sleeves

Ivory

Blue





The Oxford Integra SF combines a traditional tiled cast-iron insert with the highly efficient Integra Solid Fuel Inset (see page 24), suitable for wood burning and smokeless fuels. A choice of tiles or castiron sleeves is available on page 26.

The Oxford is shown with the Victorian Corbel mantel in Turkish Limestone (available in two shelf sizes, 1500mm (59") and 1350mm (53"). The tile set shown is the Foxglove design in pink with an ivory background. The porcelain tiled hearth is in Ciara Slate (tile specifications on page 18).



OXFORD INTEGRA



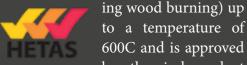
The Oxford Integra has a traditional Art Nouveau style canopy.

FLEXIBLE FLUE LINERS

TecnoFlex

Tecnoflex is a twin skin flexible chimney liner designed for the lining of an existing chimney or flue. Both inner and outer layers of the liner are made from corrosion-resistant 316L stainless steel which is corrugated to create extra crush resistance. Screw fit accessories are available for secure. robust and easy fit attachments.

Tecnoflex is suitable for use with gas, oil and multi-fuel applications (includ-



to a temperature of 600C and is approved by the independent

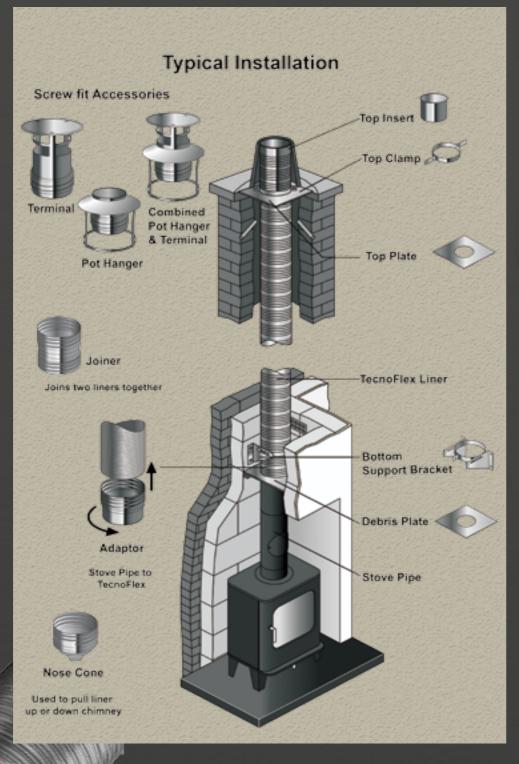
solid fuel body HETAS.

Installation

Installation should be carried out by a Competent Person (i.e. HETAS registered installer for multi-fuel). For more comprehensive information please ask your retailer for our dedicated Flex Liner brochure or download it from our website.

Screw Fit Adaptor

Connects Stove Pipe to Flexible Liner.



Supply

Tecnoflex is supplied shrink wrapped in cut lengths and is available in various diameters to suit the requirements of the appliance manufacturer or Building Regulations (Document J).





TecnoFlex is manufactured in Washington, Tyne & Wear by Schiedel (Rite -Vent).

turned in the UK

LINER PACKS

Warranty and After Care

TecnoFlex 316L has a conditional warranty of 10 years.

The liner should be swept twice a year by a suitably qualified chimney sweep and all deposits removed to prevent the accumulation of material which could ignite and create a fire hazard.

Only fuels which are HETAS approved or recommended by the appliance manufacturer should be used.

Wood must be seasoned and stored for 6 months in a dry condition (see Moisture Meter page 29).

Lower Your Carbon Count

Wood is the most environmentally friendly fuel you can use. The use of wood in an efficient glass fronted stove can save nearly 200kG

of carbon per year when compared to the use of an electric fire.



The carbon saving is further increased by using a well insulated chimney that has a diameter of less than 200mm as this reduces the air loss in the chimney by 50%.

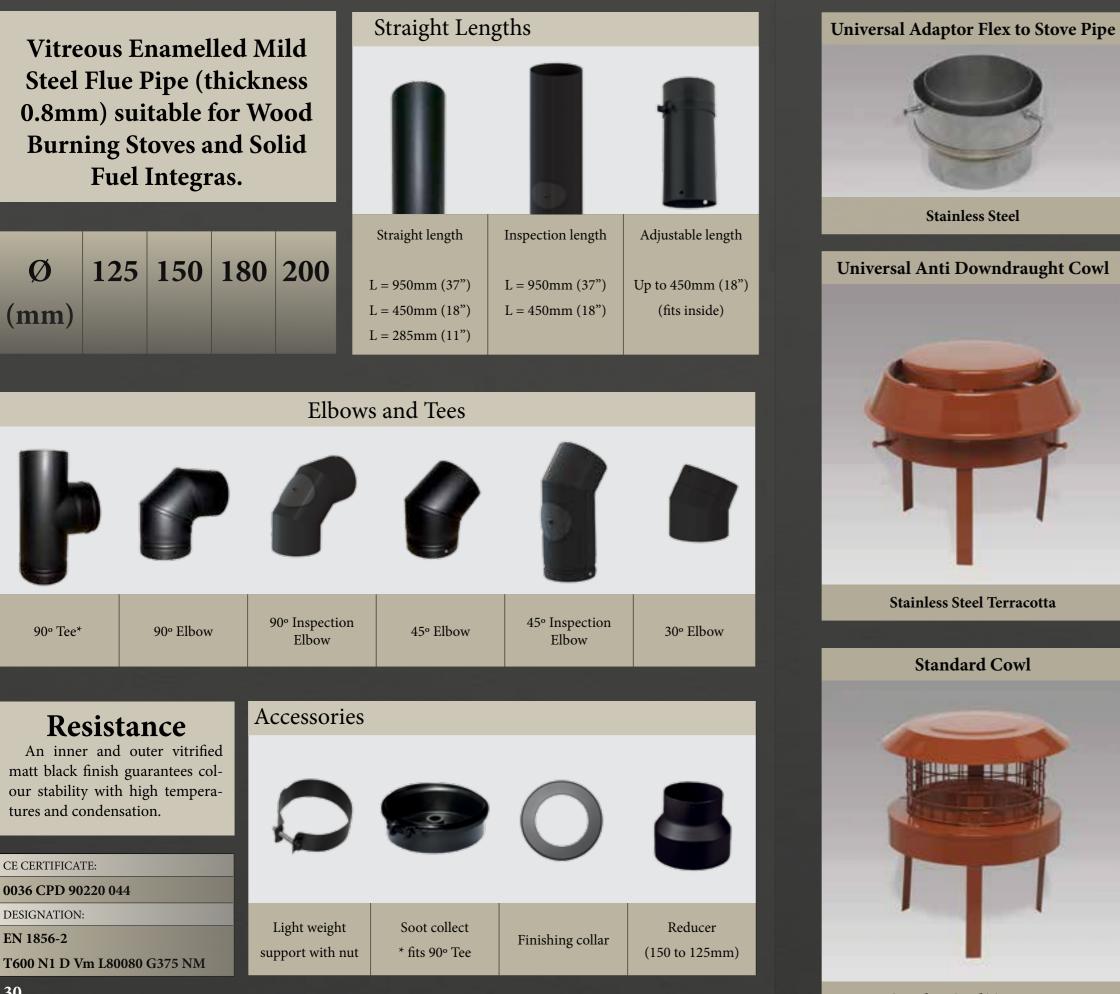
Flexseal

(neve cal Black 300ml is a high temperature (300C) Silicone Sealant for use where good adhesion and a flexible bond required.

Flueseal

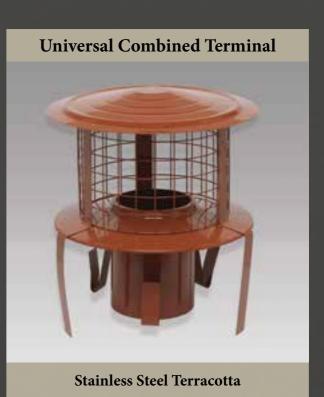
mosoal Black 300ml is a high temperature (1000C) Silicone Sealant where extremely high adhesion is required with a rigid bond.

STOVE PIPE



Stainless Steel Terracotta

COWLS & TERMINALS





Stainless Steel Terracotta

Jackdaw Guard



HEAT RESISTANT BOARDS

eat Resistant Boards are non-combustible, fire resistant panels manufactured in vermiculite to cope with Lemperatures up to 1100°C. Vermiculite is a naturally occurring non-toxic, asbestos free material which has excellent thermal insulation properties and is the ideal product to line the inside of a fireplace inglenook (see pages

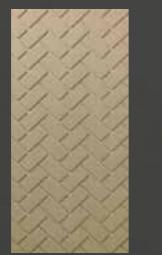
Small Boards 1020 mm x 620 mm x 20 mm Large Boards 1250mm x 1000mm x 20mm 7 & 14) or to use alongside fireplaces and stoves providing fire protection exactly where it's needed.

Heat resistant boards are easily cut to shape, can be sprayed various colours to match interior décor and with minimal shrinkage at high temperatures can be used as fire bricks inside fireplaces and wood burning stoves.





Plain



Herringbone







House Brick

Tast-iron Fascias are sturdy decorative panels manufactured to fit inside a standard fireplace mantel opening of 915mm (36") square (see pages 9 & 23). Fascias also come with a standard internal cut-out (419mm x 572mm) to accommodate a standard 16" electric, gas or solid fuel appliance. Cut-outs can be modified to suit a larger appliance by request.

Cast-iron Fascias are 940mm (37") square and are available in three designs (as shown) and four finishes: matt black, highlight polished, half polish or antique (graphite) finish.



Pentland Black



Kendal Polished

CAST-IRON PANELS

Reeded



ast-iron Panels are more robust than heat resistant boards and these traditional inglenook panels will last a lifetime and will ideally suit a permanent fireplace in a Georgian, Victorian or Edwardian style property.

There are two designs of panel measuring 415mm x 915mm.

The Reeded Panel will suit any form of décor and is available matt black or with a graphite antique finish.

The Adam Panel is very traditional with a decorative design and is available in matt black, antique or highlight polish finishes.



Antique

CAST-IRON FASCIAS



Hilton Black

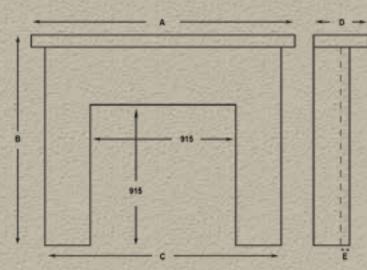


Hilton Highlight



Hilton Half Polish





	Α	В	С	D	E
Flat Victorian	1500 *	1145	1355	180	75
Victorian Corbel	1500 *	1190	1350	300	75
Edwardian Corbel	1500 *	1145	1335	250	75
Lindisfarne	1350	1130	1350	180	75
Holyrood	1372	1170	1200	205	30
Limerick	1500	1200	1415	225	75

measurements in millimetres

Base (C) and Internal Width measurements can vary on these mantels by moving the mantel legs closer together (less than 915mm) or further apart.

> The Keswick is an **L** attractive shelf with corbels ideally suited to be placed as a feature in any room (i.e. above a fireplace inglenook as shown on page 13).

> The Keswick is available with a light stain in Solid Oak or Solid Pine but may be available without a finish upon request.

Limestone Mantel Packages:

1350 PACKAGE:

A choice of Turkish Limestone Mantel (above) with a 1350mm (53") shelf length.

Flat Victorian

A set of Heat Resistant Boards (any design - see page 32)

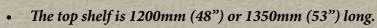
Black Granite Hearth Polished or Honed 1300mm x 380mm (51" x 15"), Stove Infill and 3 Slips.

Granite Hearths

Black Granite Hearths can be highly polished or honed (matt finish) and come in standard sizes (overall height 50mm) to suit our mantels. Bespoke sizes are available upon request. Stove Infills are 940mm x 470mm (37" x 18") as standard. Slips are 1 x 1000mm (40") x 100mm (4") and 2 x 850mm (34.5") x 100mm (4").



Keswick Mantel



- The shelf is 100mm (4") deep x 200mm (8") wide. .
- Corbels are 280mm (11") long x 150mm (6") wide.

LIMESTONE PACKAGES

Victorian Corbel

Edwardian Corbel

1500 PACKAGE:

A choice of Turkish Limestone mantel (above) with a 1500mm (59") shelf length.

> A set of Heat Resistant Boards (any design - see page 32)

Black Granite Hearth Polished or Honed 1450mm x 430mm (57" x 17"), Stove Infill and 3 Slips.

Honed Granite

COAL BUCKETS

The Arbeia Stove Collection boasts an impressive range of fireside accessories including coal buckets, companion sets, wicker log baskets, spark guards, bellows and stove fans which can be used for practical or decorative purposes.

In addition to this we have assembled useful items such as heat resistant gloves, carbon monoxide detectors, moisture meters, eco firelighters, fire cement and spray paint on page 39.



13" (330mm) Black, Black & Brass or Galvanised

Hadrian Brass

10" (254mm)

9" (228mm)



9" (228mm)

Hadrian Pewter



13" (330mm) 10" (254mm) 9" (228mm)

Kelso Coal Hods



22" (559mm) Black, Black & Brass or Galvanised



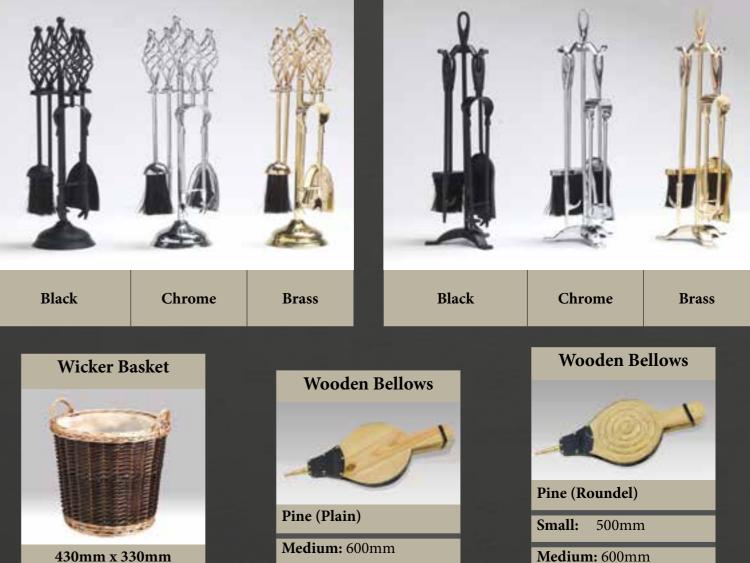
13" (330mm)

16" (406mm)



9" (228mm) Black, Black & Brass or Pewter





or

500mm x 380mm



Medium: 600mm

COMPANION SETS



Loop 25" (635mm)

Large: 700mm

37

ACCESSORIES

Dome Sparkguard



Black or Gold Small: 533mm (21") height x 480mm (19") wide Large: 597mm (23.5") height x 559mm (22") wide

Square Sparkguard



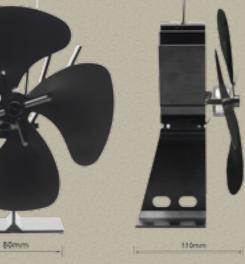
Brass (also available Black, Chrome or Gold)

Small: 533mm (21") height x 480mm (19") wide

Large: 597mm (23.5") height x 559mm (22") wide

Arbeia Stove Fan

The Arbeia Stove Fan is a small environmentally friendly four blade fan which sits on top of your stove. Self powered (using the heat from your stove) the fan needs no batteries or electricity.



The benefit from our stove fan comes when it circulates warm air generated from your stove (which normally rises up towards the ceiling) making you feel warmer and therefore potentially using less fuel. The fan operates quietly, has a discreet black satin finish and is suitable for temperatures up to 300 C.

Carbon Monoxide Detector

Cast Tec Stove Paint

This battery operated carbon monoxide detector is guaranteed for 5 years and uses an



electrochemical sensor and microprocessor to ensure complete accuracy and reliability in the detection of carbon monoxide. Easy to install and maintain

the detector alarm exceeds 85dB at 3 metres and has a low battery warning and test facility.

Eco Firelighters



Packed in recycled cardboard cylinders in quantities of 100 (cubes) for use with wood burning stoves, open fires, BBQ's and chimineas. Simply place 2 cubes beneath kindling, no paper required. Made from a combination of wood fibre from sustainable forests and vegetable oil they are odourless and clean to handle – unlike petroleum based alternatives.

Important Information

Products shown in this brochure are manufactured for Cast Tec Ltd., who with a professional group of companies, distribute them exclusively in the UK and Ireland.

Decorative goods must be checked prior to installation, as no responsibility will be accepted thereafter for the redecoration, removal or reinstallation of products. Faulted goods must be reported as soon as possible and within 48 hours.

Installation should be carried out by a qualified fireplace installer (i.e. HETAS heating engineer). No responsibility will be accepted for damage or problems arising from an incorrect or unqualified installation. Stoves purchased from 1st January 2015 onwards will be subject to a 5 year extended warranty which will exclude consumable products such as stove glass, rope seal, firebricks, grates and ash-pans. To qualify you will need to provide proof of purchase from an authorised stockist, proof of installation by a qualified heating engineer (HETAS registered) along with a regular service record and compliance with the product User Instructions (i.e. type of fuels to use, chimney sweep frequency etc.).

Discolouration or paint peeling may occur to the finish of a cast-iron stove if it comes into contact with a naked flame or where the heat is very intense after the burning of certain fuels (i.e. petroleum



(400ml) is a fast drying high temperature paint (up to 650C) for use on wood, heat resistant boards, stoves, cast-iron fires, cookers & chimineas and is also ideal for touching up ceramic gas fire logs and coals.

Moisture Meter



This battery operated moisture meter is simple to use with two hardened steel pins which are pushed into the wood or material to obtain a reading of moisture content on an LCD screen. The pins are protected by a cap cover when not in use and the meter

comes with case, battery and instructions.

Heat-Resistant Gloves



Fire Cement

Black (1kG or 10kG) is a noncombustible high temperature (1400C) putty for bonding low



porosity surfaces and for general sealing and repairing work.

based coals). If this occurs it can usually be remedied by applying a heat resistant spray paint to the affected area. The use of damp or unseasoned wood or man-made wood alternatives (chipboard, plywood etc.) may cause the stove interior, glass and flue to develop excessive carbon and tar deposits.

Cast Tec Ltd. reserve the right to delay or withdraw products, change designs, specifications or materials without prior notice due to continuous product development or supply issues.

Photographs and designs shown in this brochure are the copyright and design rights of Cast Tec Ltd. and can only be used or copied with permission.



Cast Tec Ltd., East Side, Tyne Dock South Shields NE33 5SP Tel: 0191 497 4280 Email: info@casttec.co.uk Web: www.casttec.co.uk