

## PLANNING APPEAL: OLD SAWMILL NUNRAW BARN 19/01082/P

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The following information is included in reference to the planning appeal for the above project. This is either information that was not available at the time of application or has been included as it contradicts items highlighted in the planning decision report.

Overall the report was complimentary of the design and setting of the proposed dwelling. The application received no objections from neighbours and received two letters supporting the development of the sawmill to housing. Where the planning department objected to the application relates to

“The building is not of architectural merit or historic character and is not particularly attractive. It is not a building worthy of its retention and its conversion to a house would be contrary to Policy DC2 of the adopted ELLDP 2018.” Planning Decision 21 February 2020

This document seeks to contest the conclusion that the building is not of historic value, and because it not visually appealing in its current condition, is not worthy of retention.

### 1.0 History

- 1.1 The old sawmill was constructed in the 1950s to facilitate the construction of the A listed Sancta Maria Abbey. Timber used in the construction of the abbey and was processed on this site along with elements of stonework.



Fr. Hugh + Fr. Ninian working in the sawmill overlaid on a contemporary photo of the interior

- 1.2 Like the abbey the building is of a load bearing brick construction. The Abbey has a rubble stone skin but the loadbearing structure is a brick/stone composite wall.



- 1.3 Workshops of similar construction and function (rendered brick walls and asbestos roofing) are included in the Abbey's listing document. They are deemed worthy of listing as they 'serve the working life of the abbey community' much like the sawmill building at Nunraw Barns.



1.4 The listing document also refers to the stonework of the abbey in detail. The preparation of the Foundation Stone shown in the photo below (also cited in listing description) was carried out on site at the Old Sawmill prior to installation, the applicant's grandfather is in positioned directly behind the stone. The photo to the right shows the team of masons. Frank Ricardo is mentioned in the listing document and is pictured here with the applicant's father who also worked on the construction of the abbey as well as the Old Sawmill site and continues to work on the abbey today.z



The Old Sawmill has cultural and historic links to the Sancta Maria Abbey and the community at Nunraw Barms. We feel the planning assessment has been carried out on a purely aesthetic basis and has not considered the building's links to this building which is of National historical and cultural importance.

## 2.0 Appearance

2.1 The building in its current condition is described as having 'little or no architectural merit. It is not at all attractive'z

This assessment is the opinion of the Planning Policy and Strategy Manager not from Historic Scotland or the councils own historic buildings department. It also does not address that the building's appearance will be substantially improved by allowing development. Conversion of this building will form unique living accommodation of a high standard with large voluminous living spaces with exposed materials and ample natural light.



## CONCLUSION

It is our opinion that the historic and cultural links this building has to the community at Nunraw were not considered while determining this application. The proposed dwelling will be of high quality design and will significantly improve the appearance of the existing structure whilst providing a modern energy efficient unique home. Bringing this building back into use will improve the amenity for neighbouring local residents by safeguarding a building in their community which is at risk of deterioration.

*Excerpts from Historic Scotland Listing Document - Sancta Maria Abbey*

*'The long rectangular plan range of detached garages and outbuildings to the southeast of the main building were built in the mid-1960s as workshops to serve the working life of the abbey community.'*

*'A significant feature of the abbey is the rubble stonework which is an important aesthetic feature of the building. It is used extensively inside and externally, especially on the long elevations. It is notable that the stone was quarried by the community themselves, having cleared and reopened Rattlebags Quarry, specifically for use on the building.'*

*'Much of the actual construction work for the abbey was carried out by the monks themselves with support from trained craftsmen and volunteers'*

*'Although work had started in 1952, the foundation stone for the new abbey was officially laid on 22 August 1954.'*

*From Planning Officer Report*

*Planning Advice Note 72: Housing in the Countryside explains how the conversion or rehabilitation of rural buildings not only brings a building back to life but it may provide opportunities to sensitively conserve our built heritage, including buildings of merit which are not listed. The sympathetic restoration of buildings, which are structurally sound, largely intact, safety accessible and linked to water and other services maintains the character and distinctiveness of places.*

*Policy DC2 of the adopted ELLDP 2018 supports the conversion of appropriate buildings in the countryside to a house where the existing building is:*

- (i) worthy of retention by virtue of its architectural or historic character;*
- (iii) the building is physically suitable for its intended use and any extensions or alterations are compatible with and should not do not harm any significant architectural or historic features;*
- (iv) The building must stand substantially intact and shall not require significant demolition in order to be converted.*

# Sancta Maria Abbey



Nunraw  
Garvald  
HADDINGTON  
EH41 4LW  
Tel. 01620 670 092

12 March 2020

## **FAO East Lothian Council Building Department**

Dear Sir/Madam,

It has come to my attention that Mr & M Mrs Alan Short who wish to build a house for themselves in what was a sawmill, and was used at other times as a cattle barn and a straw shed, have had their planning application rejected.

After having experienced a lot of dealings with the Local Council regarding renovations and a new building project at the Abbey at Nunraw, I was surprised that a new house on the site of what is now a defunct farm building was turned down as being of no value. Having worked in the sawmill in its various uses over the years it is hard to believe that it is now considered to be of little or of no value. Over the years this building has played its part in providing various needs in the life of the Nunraw community.

I would have thought that a new home in place of what is a building that is gradually falling into disrepair would prolong the usefulness and life of what has played a significant place in the community's life at Nunraw Abbey and the surrounding area.

My plea is that the decision to reject the plans for the projected new dwelling may be reconsidered by the Council. Quite apart from the wishes of Mr & Mrs Short, it would add to the appreciation of the Abbey in the continuation of new life in what has been a part of the Abbey's history.

Yours sincerely,

Rev Mark Caira,  
Abbot



# NUNRAW BARN

## DESIGN STATEMENT

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## CONTEXT

Nunraw Barns is situated off the B6355 road out of Garvald. The collection of building comprises stone built dwellings and former farm buildings which were originally associated with the Nunraw Tower situated nearby. When the tower was acquired by the Cistercian Monks in the 1950s and the construction of the Sancta Maria Abbey was being completed, further structures in more modern materials were constructed at Nunraw Barns to serve the Abbey. The Piggery and the Sawmill were constructed at this time in rendered brickwork with profiled asbestos roofing and are shown appearing on historic maps from the 1960s. This proposal relates to the conversion of the former sawmill building to a single dwelling.

### Nunraw Barns 1900s





# Nunraw Bams 1960s



## PROPOSAL

The former sawmill is currently the only building in the Nunraw Barns grouping that has not been converted to domestic use. It is currently in a poor state of repair however a structural assessment has been made and the buildings main structural brick walls and steel trusses have been deemed suitable for reuse. The design of the proposal has taken into consideration these restrictions and external materials have been selected to both work with upgrading the existing fabric to current technical standards and retain the buildings agricultural appearance to ground it in its rural setting.

New openings in the original brickwork are limited, a lightweight insulated roof deck will replace the existing asbestos sheets allowing the trusses to be retained. This will then be clad with profiled sinusoidal steel roof cladding powdercoated to dark grey. The brickwork will be insulated externally with PIR external render system and finished in a lightly textured render in stone grey similar to the colour of the existing building. Existing bricked up openings will be reglazed in timber framed aluminium clad windows and doors to match the roof colour. The same glazing will be used for new fenestration. Metal gutters and downpipes will be coloured to match the roof and windows.

A new access road in compacted gravel will be constructed along the route of an existing overgrown dirt path. Parking areas adjacent to the house will be constructed in compacted gravel. Areas of hardstanding adjacent to entrances will be paved in dark grey concrete conservation slabs. No mature trees are to be disturbed during these works.

The boundary condition to the road will be defined by the extension of the existing stone wall. Post and wire fences will define the remaining boundary.

A new oil tank will be positioned adjacent to the driveway and screened by low level planting

A parking / passing place will be constructed adjacent to the entrance of the house to facilitate postal delivery, bin collection and oil delivery.

## PREVIOUS DISCUSSIONS WITH PLANNING

The applicant has engaged with the planning department prior to the submission of this application. Draft proposals have been discussed with planning officers Keith Dingwall and Ciaran Kiely and the following points highlighted.

1. The old sawmill is the only remaining agricultural/industrial buildings in the grouping that is Nunraw Barns that has not been developed into housing.
2. Although the building is in a poor cosmetic condition, its development into a dwelling can be achieved without structural disruption to the existing fabric thus retaining the building in its original form with walls and roof structure intact. The proposal does not enlarge the existing footprint and seeks to improve the building's external appearance by wrapping it with an insulated render system to bring the fabric up to current technical standards.
3. In a previous development at Nunraw barns ref: 15/00270 the Planning officers report references the positive aspects of reuse of existing building stock and recommended that proposal for approval. The proposal included the redevelopment of the piggery which has the same construction as the sawmill.
4. The proposed development seeks to use materials appropriate for the rural setting.
5. We feel the proposal could be relevant to section DC2 in the local plan where;

*Any proposals for the restoration or conversion of vernacular buildings to accommodate uses supported in principle by this policy should be of an appropriate scale and character and designed in such a way that maintains or complements their layout and appearance.*

*and*

*5.4 East Lothian contains a wide range of attractive, vernacular rural buildings, which contribute to local character and distinctiveness. Some of these are no longer required for their original purpose and present opportunities for positive re-use. The Plan supports the restoration of architecturally important rural buildings. This should be done in a way that maintains or complements the layout and appearance of traditional rural buildings or groups of buildings.*

6. The applicant also cited a development at Chessers Farm, Morham ref: 17/01189/P as precedent of brick / asbestos roof buildings that have sought permission to be redeveloped as dwellings. This was forwarded to the department for reference.



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## SEPTIC TANKS

FOR THE COLLECTION  
SETTLEMENT OF  
DOMESTIC SEWAGE



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# Septic Tanks

## FOR THE COLLECTION AND SETTLEMENT OF DOMESTIC SEWAGE

A septic tank provides a traditional solution to sewage disposal needs for domestic dwellings without access to mains drainage.

Sewage enters the septic tank into a settlement chamber, allowing solid waste (sludge) to sink and liquid to rise to the surface. This surface liquid makes contact with oxygen and the organic matter starts to breakdown biologically.

This liquid still contains sewage but in small enough particles to be carried through the discharge outlet and into the ground (soakaway).



### WHY DO I NEED A SEPTIC TANK?

Basic septic tanks only partially treat sewage and discharge effluent of low quality. Many authorities in the UK prohibit their use.

In all instances a Sewage Treatment Plant should be considered as the first option.

Septic tanks may be installed, subject to consent, in applications where:

- Soil is of suitable porosity.
- Installation complies with Building Regulations (Approved Document H).
- The installation will not contaminate any ditch, stream or other watercourse.

### WHAT PRODUCTS ARE AVAILABLE?

If you are not connected to mains drainage you have three options:

- The **Kingspan Klargester Alpha range** of septic tanks only provides settlement for sewage solids. The liquid overflow requires further biological treatment in a suitably designed, correctly situated drainage field.
- The **Kingspan Klargester Gamma and Sigma** shallow dig septic tanks will drastically reduce the time and cost of a septic tank installation.
- A full sewage treatment plant with integral biological treatment technology produces far superior treated effluent - see the **Kingspan Klargester BioDisc®, Biotec™, Bioficient** ranges.

Any product installation is dependent on obtaining regulatory approvals.

Get in touch for a **FREE** professional site visit and a representative will contact you within 5 working days to arrange a visit.

**klargester@kingspan.com** to make the right decision or call **01296 633033**

### SOIL POROSITY

To establish the overall length of a drain run needed, a soil porosity test is required. The following procedure should be adopted:

- Excavate a hole 300mm square by 300mm deep below the proposed invert level of the land drain.
- Fill hole with water to a depth of 300mm and allow to drain away overnight.
- Refill to a depth of 300mm and observe the time taken to drain from 75% full to 25% full level (i.e a depth of 150mm). Divide this time by 150mm. The answer gives the average time in seconds (Vp) required for the water to drop 1mm.

Repeat this exercise two more times with at least two trial holes. Calculate the average time.

Drainage field disposal should only be used on test values (Vp) between 15 and 100. Where a Vp value falls outside these limits, our technical team can advise.

For detailed calculations of the drainage field, please contact the Kingspan Klargester technical sales team on 01296 633000 or email [info@klargester.com](mailto:info@klargester.com).



## TYPICAL INSTALLATION



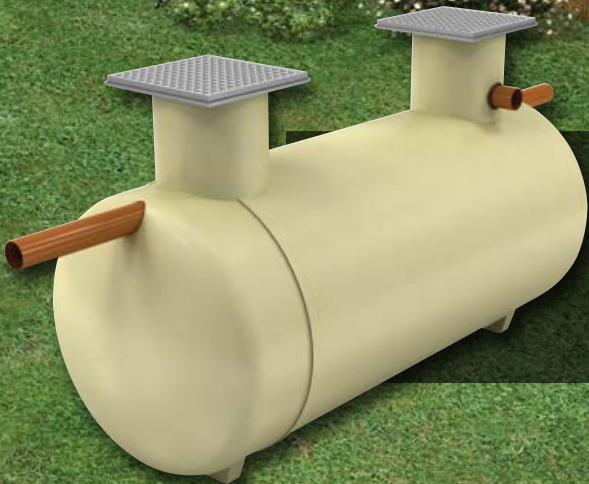
### ■ Kingspan Alpha Septic Tank

Klargester Alpha tanks provide a reliable and economic solution for homes not connected to mains drainage. Alpha tanks are manufactured from composite GRP – light, chemically resistant and watertight.



### ■ Gamma Septic Tank

Kingspan Klargester designed and manufactured an efficient and reliable septic tank suitable for shallow dig installation with an efficiency rating of 99.97% - industry benchmark.



■ **Sigma Shallow Dig Septic Tank**

The **Sigma** shallow dig septic tank is designed to reduce both installation time and cost. Manufactured from GRP, the tank is easy to handle and install, requiring less backfill material and less soil disposal.



## ■ SIGMA SHALLOW DIG SEPTIC TANK

The **Sigma** shallow dig septic tank is available in various sizes suitable for properties with dig height restrictions.

MODEL REFERENCE	CAPACITY (litres)	No. PEOPLE (150l/head/day)	DIAMETER (mm)	LENGTH (mm)	STANDARD INVERT HEIGHT (mm)
STH028	2800	5	1225	2955	500
STH038	3800	12	1225	3895	500
STH057	5700	24	1425	4275	500
STH071	7150	34	1920	3225	500
STH091	9150	47	1920	3960	500

- Robust and simple to install
- Less excavation costs, less soil disposal and less backfill material
- Made from composite GRP – strong, light, chemically resistant and watertight
- EN-12566 Part 1 approved and 99.7% efficient

## ■ GAMMA SEPTIC TANK

**Gamma** Septic Tank is a reliable and efficient septic tank suitable for shallow dig applications.

MODEL REFERENCE	CAPACITY (litres)	STANDARD OVERALL HEIGHT (MM)	STANDARD INLET INVERT (MM)	STANDARD OUTLET INVERT (MM)	LENGTH (MM)	WIDTH (MM)
GST027	2700	1755 - 2255	500 - 1000	550 - 1050	2480	1130
GST040	4000	1755 - 2255	500 - 1000	550 - 1050	3360	1215

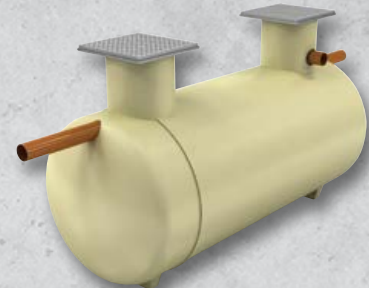
- Shallow dig - the Gamma is designed with easy, affordable installation in mind.
- Costly excavation and soil disposal isn't necessary, nor is additional concrete backfill.
- 99.97% removal efficiency
- The Gamma is made from durable MDPE. This allows the gamma tank to be lightweight, long lasting, and damage resistant.
- Full compliance with European Union EN 12566 part 1 standards.

## ■ ALPHA GRP SEPTIC TANK

The **Alpha** septic tank comes in three sizes and is suitable for individual domestic dwellings up to a large family house.

CAPACITY (litres)	No. PEOPLE (150l/head/day)	WIDTH (mm)	INLET LEVEL TO BASE (mm)
2800	5	1905	1565
3800	12	2070	1795
4600	17	2080	2035

- Performance tested to EN-12566 (Part 1) requirements
- Internal baffle design within the tank aids separation and retention of solids, improving the effluent quality thus providing a long life to the soakaway
- Made from composite GRP – strong, light, chemically resistant and watertight



SIGMA SHALLOW DIG SEPTIC TANK



GAMMA SEPTIC TANK



ALPHA SEPTIC TANK

## PROFESSIONAL INSTALLERS

### Kingspan Klargester Accredited Installers

Experience shows that correct installation is a prerequisite for the long-lasting and successful operation of any wastewater treatment product. This is why using an installer with the experience and expertise to install your product is highly recommended.



Services include :

- Site survey to establish ground conditions and soil types
- Advice on system design and product selection
- Assistance on gaining environmental consents and building approvals
- Tank and drainage system installation
- Connection to discharge point and electrical networks
- Waste emptying and disposal

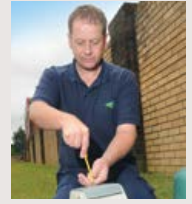
Contact us for further details.



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*In keeping with Company policy of continuing research and development and in order to offer our clients the most advanced products, Kingspan Environmental reserves the right to alter specifications and drawings without prior notice.*

rationel®

# Rationel windows and doors

Beautiful design for  
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# Our story



From a small workshop in Denmark in 1954, a lone carpenter worked diligently to create his first order of 31 barn windows. He invested the profits in modern machinery and Rationel was born.

More than 60 years later we're still here, shipping 600,000 state-of-the-art windows and doors around the world each year. All of them bespoke, all of them beautiful. We may have grown, but we've maintained our firm focus on quality craftsmanship and service.

Rationel specialises in Scandinavian design. Slim sight lines, high-quality timber and unique ironmongery, along with the flexibility to stand tall, slant or curve to your requirements, mean our windows and doors add something truly special to your home. Our experts will help you find the perfect style to suit your project, whether that's traditional, modern or somewhere in between.

Our doors and windows look good but they perform even better; they're built to last, designed to meet the highest standards of comfort, security and weather-tightness. For your peace of mind, our doors and windows have Secured by Design accreditation, which means they are extremely difficult to break into.

We plan to be crafting windows and doors for homes for generations to come. So we go out of our way to source sustainable materials, whether that's the FSC®-certified trees that go into our frames or the waste timber that fuels our factories. Our cleverly positioned, energy-efficient windows maximise natural light to reduce CO<sub>2</sub> emissions and utility costs.

We make it our mission to provide exceptional service, from initial design support to hassle-free delivery and efficient after-sales care. Our network of local distributors means we're never far away, and for the times we can't talk in person, we're just a phone call, live chat or email away.



# The right choice for your home

Your door is the gateway to your home; the way it looks and moves influences the building's architectural expression. Your windows set the mood, determining the light and temperature of your environment. Every detail changes how you and your guests feel about your home.

All our products are bespoke, so it's important to carefully consider every aspect – from colour to glazing options to opening and closing functions.

The pages ahead feature our regular style options for your inspiration; we can also manufacture specially shaped units to suit unique spaces. Our experts can help guide your decisions by taking into account the details of your build and the overall impact you are aiming for.

You can visit our website for technical drawings, certification data, videos and more: [www.rationel.co.uk](http://www.rationel.co.uk)

# Windows

Windows can shape your outlook in more ways than one. From the way the light gathers at dawn to the flow of air during a hot summer, every element should complement your lifestyle. Let us introduce our two signature styles, AURA and FORMA. Both are available with double and triple glazing. The PLUS models feature timber frames with aluminium cladding, which opens up a new range of possibilities.

## AURA and AURAPLUS

AURA personifies clean lines. The sleek, flat frame gives your window a flush finish for a truly modern, Scandinavian feel. This is our most popular profile, especially for a stand-out "grand design". Optional glazing bars can increase the architectural elegance of this style. Made from sustainably sourced timber, your windows and doors will last for decades if looked after.

Choose AURAPLUS and we add aluminium cladding to the timber, which means maintenance becomes minimal and life expectancy rises by another 20+ years. The cladding comes in hundreds of colours and gives you the flexibility to have one colour inside your home and another on the outside. It can make a real impact and adds the durability to deal with the harshest of weather.

## FORMA and FORMAPLUS

Designed to complement traditional British architecture, FORMA brings a softer line to your windows and ensures your project blends with its environment. Beautifully styled in sustainable timber that will last for decades, the bevelled edges bring a homely feel. The colour palette is extensive, with the most popular choices shown on page 27; you'll be choosing the same colour inside and out.

Make it FORMAPLUS and the aluminium cladding gives you the option of another colour for the outside of your home – however, it's unlikely you'll want to cover up this beautiful styling. The cladded frame requires minimal maintenance and is extremely durable in all weather conditions. All styles are available with glazing bars, which particularly suit this style of window.



# AURA and AURAPLUS

Our contemporary style



Side opening with fixed lights

Top guided



This development used fully reversible windows with coloured opaque glass on the first floor.



Casement door

## AURA

### Key features:

- Timber frame
- 60-year life expectancy\*
- Available in more than 200 colours
- Best performance

### Triple glazed:

- 0.78 W/m<sup>2</sup> K U-value
- 42 dB Rw sound reduction

### Double glazed:

- 1.29 W/m<sup>2</sup> K U-value
- 41 dB Rw sound reduction



## AURAPLUS

### Key features:

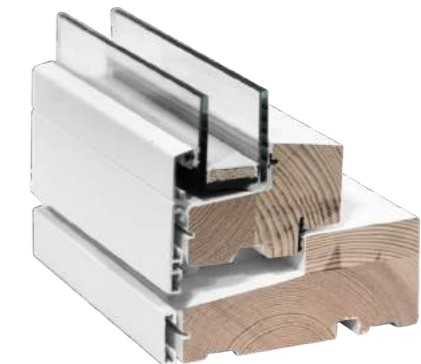
- Aluminium-clad timber frame
- Low-maintenance
- 83-year life expectancy\*
- Available in more than 200 colours
- Dual colour no extra charge
- Best performance

### Triple glazed:

- 0.79 W/m<sup>2</sup> K U-value
- 42 dB Rw sound reduction

### Double glazed:

- 1.29 W/m<sup>2</sup> K U-value
- 40 dB Rw sound reduction



AURA and AURAPLUS come with security hardware as standard to meet Secured by Design requirements. The majority of timber originates from FSC®-certified forests. Read more at [www.rational.co.uk](http://www.rational.co.uk)

\*Dr Gillian Menzies, Institute for Building and Urban Design, Heriot-Watt University, Edinburgh

# FORMA and FORMAPLUS

Our traditional style



Double casement door



Double side hung window with satin glass



This residential development used sideguided windows with horizontal glazing bar



Double patio door

## FORMA

### Key features:

- Timber frame
- 60-year life expectancy\*
- Available in more than 200 colours
- Best performance

### Triple glazed:

- 0.78 W/m<sup>2</sup> K U-value
- 42 dB Rw sound reduction

### Double glazed:

- 1.27 W/m<sup>2</sup> K U-value
- 40 dB Rw sound reduction



## FORMAPLUS

### Key features:

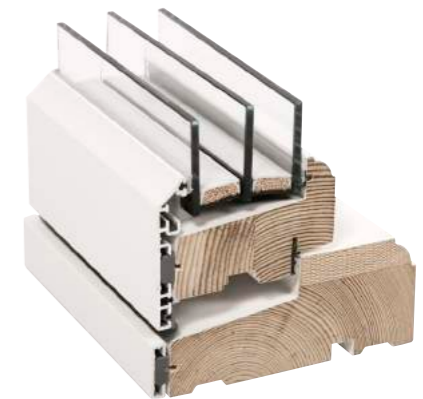
- Aluminium-clad timber frame
- Low-maintenance
- 83-year life expectancy\*
- Available in more than 200 colours
- Dual colour no extra charge
- Best performance

### Triple glazed:

- 0.80 W/m<sup>2</sup> K U-value
- 43 dB Rw sound reduction

### Double glazed:

- 1.28 W/m<sup>2</sup> K U-value
- 40 dB Rw sound reduction

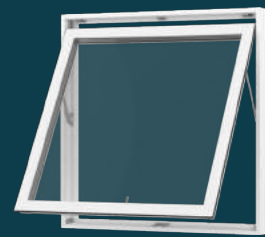


FORMA and FORMAPLUS come with security hardware as standard to meet Secured by Design requirements. The majority of timber originates from FSC®-certified forests. Read more at [www.rational.co.uk](http://www.rational.co.uk)

\*Dr Gillian Menzies, Institute for Building and Urban Design, Heriot-Watt University, Edinburgh

# Window types and openings

Hung, swung or guided: the drawings below show the range of styles available. Contact Rationel for information on different style combinations.



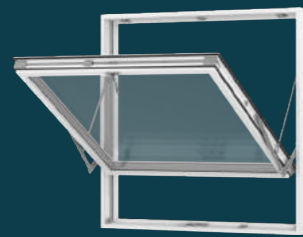
## Top guided

### Opening function

Elegant style that is suitable for all rooms. Simple, seamless opening function allows for effective ventilation when open, both above and below the sash. Clean look with no visible external hinges.

### Measurements

Min. width	358mm
Min. height	383mm
Max. width	1,798mm
Max. height	1,598mm



## Fully reversible

### Opening function

Multi-functional style suitable for multi-storey buildings. Sash can be turned to clean the glass from the inside. Comes with a child-proof opening limiter.

### Measurements

Min. width	553mm
Min. height	548mm
Max. width	1,598mm
Max. height	1,598mm



## Fixed light

### Opening function

Simple style that allows for optimal views. Ideal when you need maximum internal light and solar heat. Can be fitted with trickle-vents for ventilation.

### Measurements

Min. width	253mm
Min. height	253mm
Max. width	2,998mm
Max. height	2,998mm



## Side hung

### Opening function

Simple, stylish design with a seamless opening function. On larger windows, the friction brake allows the window to be fixed in any open position. Suitable as escape windows.

### Measurements

Min. width	353mm
Min. height	358mm
Max. width	948mm
Max. height	1,798mm



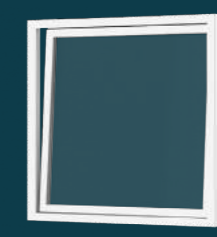
## Side guided

### Opening function

Minimalist design that moves seamlessly, with no visible external hinges. When fully open the glass can be cleaned from the inside.

### Measurements

Min. width	453mm
Min. height	438mm
Max. width	998mm
Max. height	1,798mm



## Tilt and turn

### Opening function

Multi-functional style suitable for multi-storey buildings. Tilt function opens the top of the sash inwards for ventilation. Can be cleaned from the inside, and are perfectly suited as "escape windows" or emergency exits.

Available in AURAPLUS triple glazed only.

### Measurements

Min. width	478mm
Min. height	438mm
Max. width	1,298mm
Max. height	1,598mm

All maximum width and height measurements are subject to glass weight and specification.

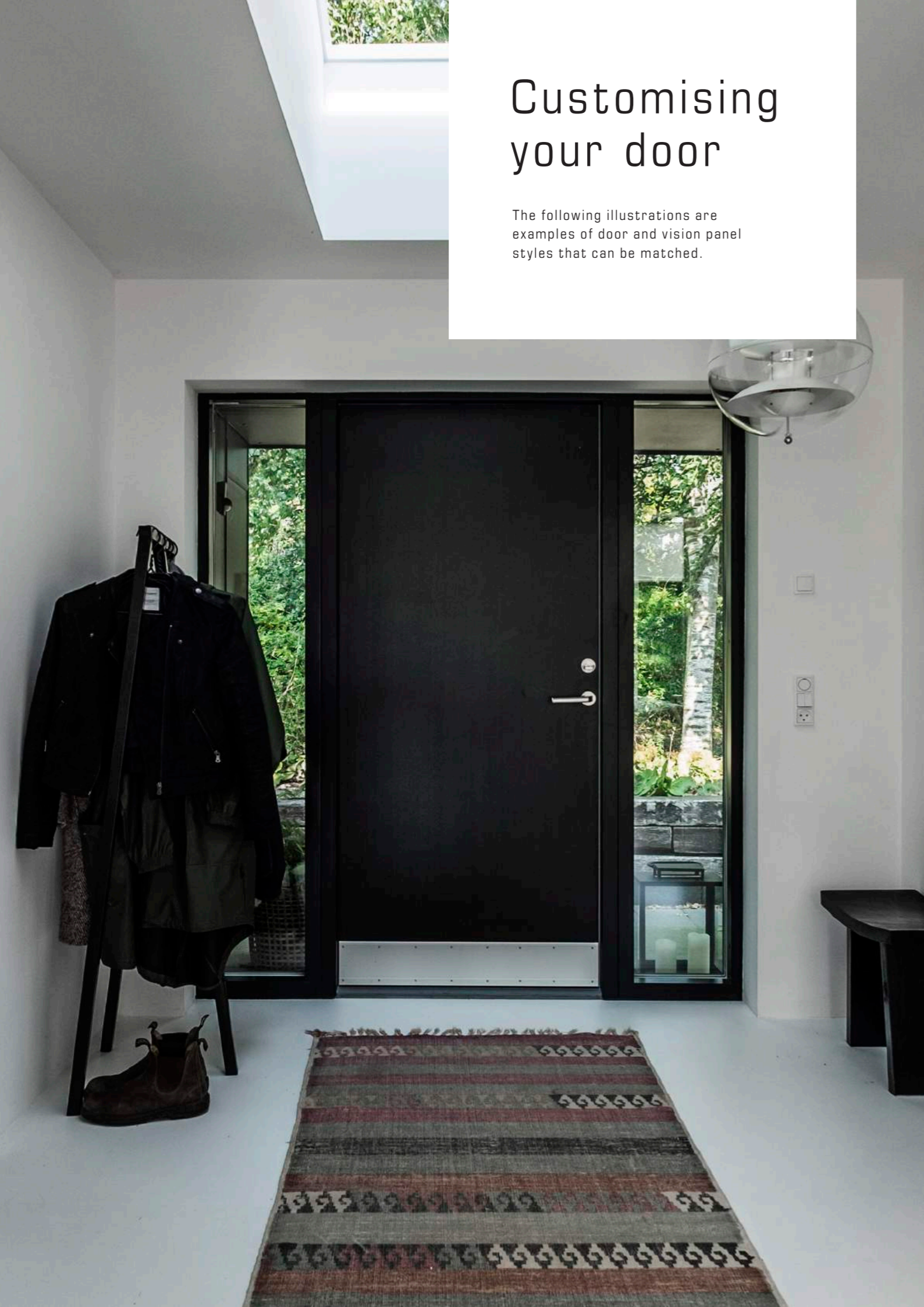


# Doors

Make a grand entrance with a bold front door or bring fluidity to your space with sliding patio doors; a great door will change the way you live. Browse the styles, colours, materials and security features we offer in the following pages.

# Customising your door

The following illustrations are examples of door and vision panel styles that can be matched.



## Flush entrance doors



Flush entrance doors can be customised, with several options to mix and match your preferred door with vision panel style and position.



Plain



Vertical



Diagonal



Herringbone



Oval



Antique

## Window types



Oval



Farmhouse



Rectangle



Square



Circle



Diamond

## Glazed entrance doors and patio doors



Glazed entrance doors can also be customised. We can recommend standard options or work with you to create any variation you require.



Glazed door



Glazed door with single glazing bar



Glazed door with two glazing bars



Multi-light glazing door



Multi-light glazing door



Multi-light glazing door

# For your inspiration



01

Glazed entrance door



02

Glazed entrance door



03

Flush entrance door



04

Flush entrance door



05

Flush entrance door with integrated sidelight



06

Flush entrance door with integrated sidelight



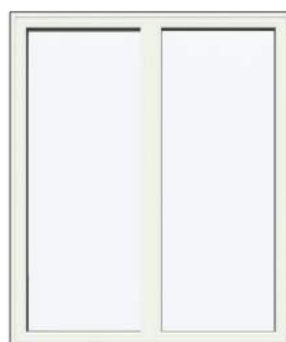
07

Flush entrance door with sidelight



08

Glazed entrance door with integrated sidelight



09

Double casement door



10

Sliding door  
Only available in AURAPLUS triple-glazed only



## Your choice

Contact us for more options, we can help you design the perfect door for your project.

# Door types and openings

Tilt, turn or slide: the drawings below show the range of styles available.  
Contact Rationel for information about more options and style combinations.



## Flush entrance door

### Features

Available as inward- or outward-opening, flush doors are hung on grey powder-coated adjustable hinges and fitted with a minimum three-point locking espagnolette bolt.

Flush doors can be manufactured with a wide range of patterns and vision panels. See examples on page 17.

### Measurements

Min. width	653mm
Min. height	1,703mm
Max. width	1,198mm
Max. height	2,398mm



## Glazed entrance door

### Features

Available as inward- or outward-opening, glazed entrance doors are hung on grey powder-coated adjustable hinges and fitted with a multipoint lock box with latch deadbolt locking espagnolette bolt.

Glazed entrance doors are constructed using a frame and sash with an option of glazing bars, transoms and mullions. The glass can be composite or insulated panel.

### Measurements

Min. width	653mm
Min. height	1,703mm
Max. width	1,198mm
Max. height	2,498mm



## Patio door

### Features

Available as either inward- or outward-opening, patio doors are ideal for access to balconies, gardens and patios.

Doors have an inbuilt friction brake\*, operated by turning the handle down in any given position. They are hung on grey powder-coated adjustable hinges and fitted with a minimum three-point locking espagnolette bolt.

\*Available on master door leaf only.

### Measurements

Min. width	1,188mm
Min. height	1,703mm
Max. width	2,328mm
Max. height	2,498mm



## Tilt and turn door

### Features

Available as inward-opening only, tilt and turn doors function in two ways. They are hinged from the side and open inwards, or, for ventilation, the leaf can be tilted. Tilt is available on master leaf only.

Available in Rationel AURAPLUS triple-glazed only.

### Measurements

Min. width	1,003mm
Min. height	1,803mm
Max. width	1,998mm
Max. height	2,198mm



## Casement door

### Features

Available as outward-opening only, casement doors are ideal for access to balconies, gardens and patios. The slim construction allows maximum daylight and heat into the house without compromising functionality and comfort.

Casement doors come fitted with an inbuilt friction brake operated by turning the handle down in any given position. They are hung on grey powder-coated adjustable hinges and fitted with a minimum three-point locking espagnolette bolt.

### Measurements

Min. width	938mm
Min. height	1,703mm
Max. width	2,328mm
Max. height	2,398mm



## Sliding door

### Features

Designed to be as beautiful as the views they frame, sliding doors allow the garden into your home in the summer but keep the heat inside throughout the winter.

Sliding doors, where one half slides and the other is fixed, are ideal when space is at a premium. The sliding part lifts easily and glides in front of the fixed section to create a clear opening of up to 1.55 metres.

Available in AURAPLUS triple-glazed only.

### Measurements

Min. width	1,788mm
Min. height	1,863mm
Max. width	3,588mm
Max. height	2,388mm

All maximum width and height measurements are subject to glass weight and specification.

# Glazing options

Rational windows combine safety, privacy and energy-efficiency features that help you make the very best of your home.



**Rational SECURE**  
Our windows are built with security in mind. Read more about our Secured by Design certification on page 24 or watch the video on our website.



**Rational OBSCURE**  
Our panes are designed to restrict the view into private areas such as bathrooms. Choose from six different types of glass to get the combination of light and privacy you desire.



**Rational SAFETY**  
Our glass holds together when shattered, reducing the risk of injury if someone falls into the pane. The toughened glass is designed to fall out of the sash and shatter into small, harmless pieces. Panes can be made of toughened glass, laminated glass or a combination of both.



**Rational FACADE**  
Used in buildings either to create a visually coherent facade or for special colour effects, FACADE is well suited to storey divisions as well as ventilated and insulated panels, and is available in special colours on request.



**Rational SOUND**  
If your home is subject to environmental noise, our noise-reducing panes are for you. Panes feature two glass sheets that act as a break, dramatically reducing the movement of sound into your home and creating a peaceful environment.



**Rational SOLAR**  
Our solar panes limit the amount of sunlight and heat coming into a building, depending on the light and heat shielding levels required. This means significantly less energy will be required to cool hot rooms.

## Durability tests

All our windows are tested for durability. A series of videos are available to view on the Rational website.



Air permeability  
600Pa



Wind resistance  
1600Pa



Operation  
10.000 cycles



Water tightness  
600Pa

# Handles and accessories

Customise your windows and doors with different handles and accessories.



Handle for outward opening window and patio door



Handle with child lock



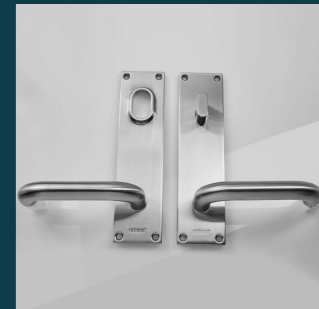
Handle with lockable child safety lock



Entrance door handle with round rose key thumb turn



Entrance door handle with round rose key-key



Entrance door handle with back plate key thumb turn



Entrance door handle with back plate key-key



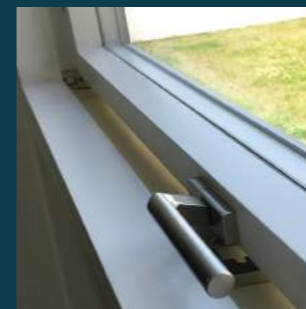
Patio door handle with key internal only



Sliding door finger pull



Sliding door handle



Night vent position



Restrictor



Secured by Design letterplate



Normal letter plate



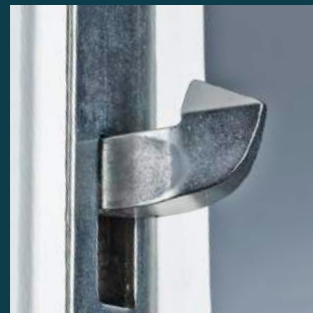
# Secured by Design and Part Q



Our experience working with housing associations, community developments and commercial projects means the security and safety of our doors are second to none.

Our doors are tested and marked according to several national and European standards, including Secured by Design. That means the frame, lock and hardware can withstand common burglary methods.

To meet Part Q requirements, windows and doors must satisfy particular standards of robustness, use approved hardware and demonstrate proven security performance.



Three-point espagnolette locking mechanism inhibits burglary.



Reinforced espagnolette increases the strength of all closing points.



Extra-strong reinforced screws increase the strength of all hinges.



Hook bolts in hardened steel combined with a reinforced front plate resist even severe attacks.



The length of time it takes to break a laminated pane will discourage even the most persistent burglar.



The letterbox has an inner protective housing with a unique concealed hinge mechanism. This limits the opening of the inner flap for maximum protection from "fishing" burglaries.



# Colour

Make a statement or play it cool with your choice of colour. Our standard colours suit most architectural styles, while our special range is ideal for highlighting unique features.

Our windows and doors are available in one standard colour all over. AURAPLUS and FORMAPLUS windows can also be ordered with a different colour inside to outside, with no additional cost.

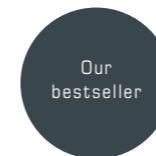


## Standard colours

If you can't see the colour you want here, you can choose from the whole RAL classic colour chart. Non-standard colours be subject to additional costs and lead times.

Colours shown are indicative only.

Our most popular RAL colours are:



Anthracite grey  
RAL 7016



Black  
RAL 9005



White  
RAL 9010



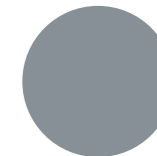
White  
RAL 9010



Cream white  
RAL 9001



Light grey  
RAL 7035



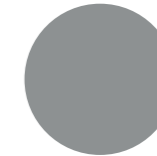
Silver grey  
RAL 7001



Slate grey  
RAL 7015



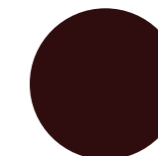
Anthracite grey  
RAL 7016



Mid grey  
RAL 7042



Black  
RAL 9005



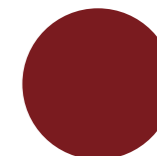
Dark brown  
RAL 8017



Olive green  
RAL 6003



Navy blue  
RAL 5013



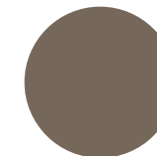
Rowanberry  
RAL 3011



Pebble grey  
RAL 7032



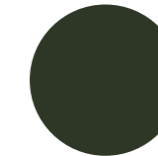
Beige  
RAL 1001



Beige grey  
RAL 7006



Yellow  
RAL 1018



Dark green  
RAL 6007



Blue black  
RAL 5008

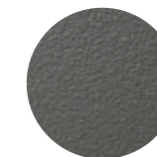
## Granite

Available for external AURAPLUS and FORMAPLUS windows and doors only.

Colours shown are indicative only.



Granite 01  
White (SAA10F)



Granite 10  
Light grey (S2150)



Granite 20  
Medium grey (S2400)



Granite 30  
Warm grey (S2900)



Granite 60  
Dark grey (S2100)



Granite 80  
Black (S900)



# Turn your dream home into a design reality

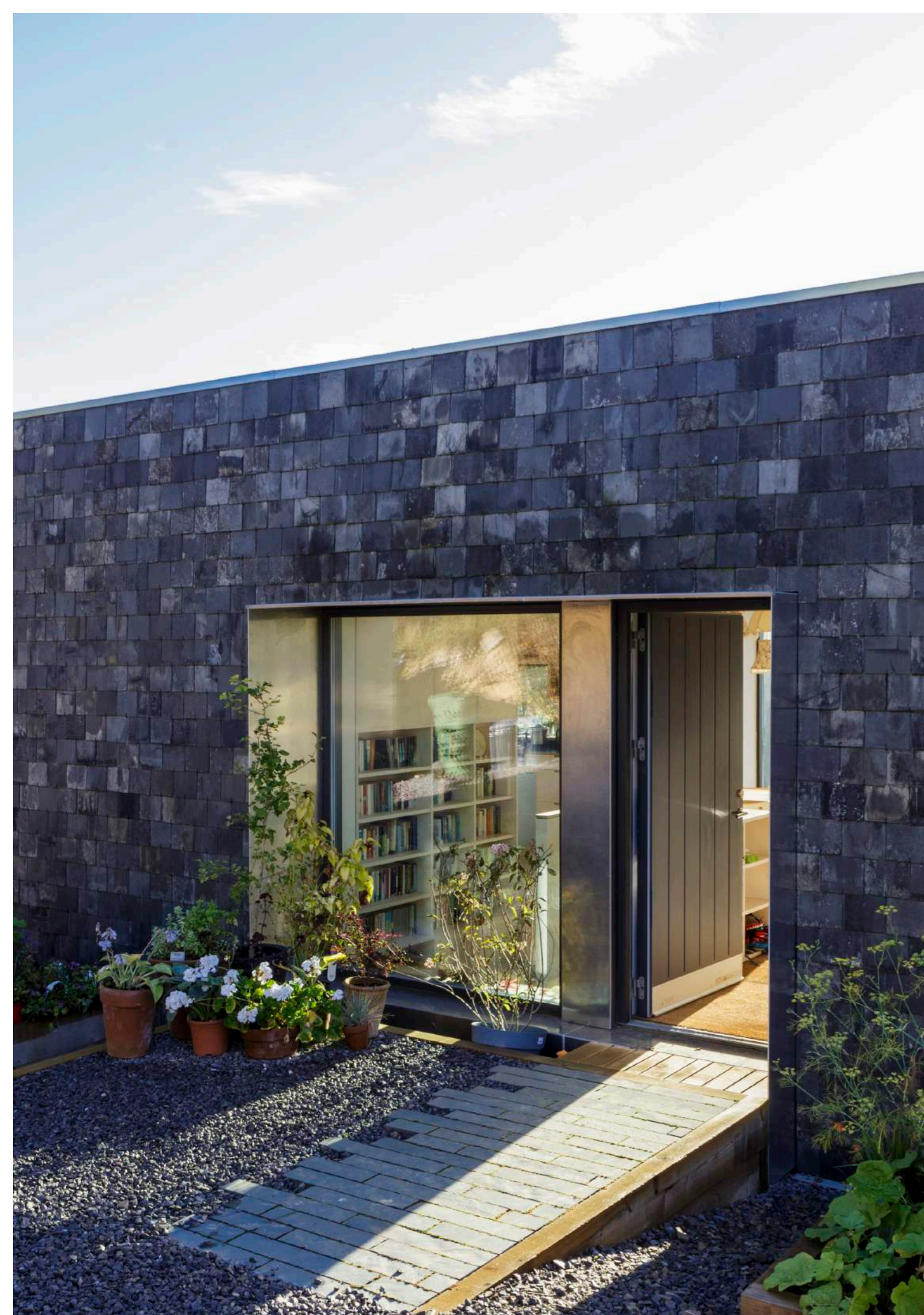
Rationel is part of the VKR Group, whose mission is to establish model companies that create products useful to society and treat customers, suppliers, employees and shareholders better than most other companies.

At the heart of the organisation is a set of Charitable Foundations created to assist employees and their local communities, as well as fund a wide range of environmental, cultural and social programmes.

[www.rationel.co.uk](http://www.rationel.co.uk)

[quotation@rationel.co.uk](mailto:quotation@rationel.co.uk)

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LiveChat: visit our website [rationel.co.uk](http://rationel.co.uk)

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The mark of  
responsible forestry

Secured by Design



Official Police Security Initiative



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# SELKIRK

## TWIN-WALL CHIMNEY



Diameter range: 127mm - 203mm (5" - 8")

- Twin Wall, insulated
- Stainless Steel
- Multi Fuel Chimney System



**SELKIRK**<sup>®</sup>  
*there is only one!*



**UK PRODUCT CATALOGUE**

## INTRODUCTION

The Selkirk Twin Wall chimney system is designed for use with oil, gas and solid fuel when used with the appropriate fire stopping components. The system is designed for gravity flow application. The Selkirk Twin Wall chimney system is available in a range of diameters and this brochure relates to the 127mm (5") – 203mm (8") range.

The system consists of straight lengths and fittings which are constructed entirely from stainless steel and a 25mm (1") insulated annulus. The external skin is manufactured from 304 grade matt finish stainless steel and carries the structural load, and the inner liner is resistant to the often corrosive products of combustion, and is free to expand or contract as flue gas temperatures change. The 316 grade inner liner heats rapidly to produce a strong draught which ensures that waste gases are exhausted and condensation of the harmful products of combustion is minimised.

The system can be used internally or externally. The relatively low external wall temperature permits installation with only a 50mm (2") air gap clearance to combustible materials.

## KEY DIMENSIONS

### Size (internal diameter)

127mm (5")  
152mm (6")  
178mm (7")  
203mm (8")

### Maximum outside diameter

178mm (7")  
203mm (8")  
230mm (9")  
255mm (10")



## COMPOSITION

Lengths and fittings are twin-walled with a 25mm (1") cavity. The outer casing is joined to both male and female couplers, while the inner liner is connected only to the male coupler, as flue gas temperatures vary the inner liner can expand and contract without affecting the structural performance.

Selkirk Twin Wall chimney is insulated with rockwool and this high quality insulation has an optimum and carefully controlled density which maintains a relatively high flue gas temperature throughout the chimney lengths. Lengths and fittings are twist-locked together with a one eighth turn. Locking bands fit over the two rolled seams at joints between lengths and fittings and MUST be used.

## APPLICATIONS

Typical equipment includes boilers, stoves and heaters. The Selkirk chimney system must be installed in accordance with all appropriate building regulations, codes of practice and manufacturers installation instructions. Selkirk Twin Wall chimney in diameters 127mm (5") – 203mm (8") are manufactured to comply with BS4543 parts 2 and 3 and EN1856-1.

The STC product designation is: **T450 N1 D Vm L50045 G(50)**

## INSTALLATION

Installation instructions can be found at [www.selkirkchimney.co.uk](http://www.selkirkchimney.co.uk) and are provided with all support components. These should be consulted to accurately determine the components that are required to enable any installation to be correctly assembled.

### Jointing

Lengths and fittings are designed to be installed with the male coupling uppermost. Joints are achieved by placing the female coupling over the male coupling and making a one-eighth turn. A Locking band must be used to secure every joint and to ensure a firm connection.

### Connecting to the appliance

The Adaptor is designed to make the connection to the appliance flue gas outlet or to a section of flue pipe to building regulation requirements.

### Supports

The weight of the chimney may be carried by a number of different support components depending on whether the chimney is installed internally or externally, and whether it is supported by the roof, ceiling, floor or external wall. These components include the Wall Support, Ceiling Support and Roof Support. Lateral stability is provided by Wall Bands.

### Supporting free-standing chimneys

Where the chimney exceeds 1.5 metres (4.9ft) beyond the last support it must be braced with a roof brace kit or similar. The bracket should be fitted above a locking band and as close to the joint as possible.

### Roof Support

The Roof Support is designed to support the chimney on the roof timbers and is provided with adjustable gimbal plates.

### Load Bearing data

The weight of the chimney can be borne in a number of ways and this table states the maximum length of chimney that can be supported by various components.

	Chimney size (mm)			
	127	152	178	203
Ceiling Support	6m*	6m*	6m*	6m*
Wall Support				
Side Plates Up	15m	15m	15m	15m
Side Plates Down	9m	9m	9m	9m
Telescopic Floor Support	16.7m	16.7m	16.7m	16.7m
Roof Support	9m*	9m*	9m*	9m*

\*part of the flue up to a maximum of 6m may be suspended beneath the roof support.  
NB: Wall Bands are not load-bearing and must be used at intervals not exceeding 2.5 to provide lateral stability.

### Weight

The weight of each diameter per metre run installed is shown in the table below.

	Chimney size (mm)			
	127	152	178	203
TWIN-WALL CHIMNEY	6.7kg	8.2kg	9.7kg	11.2kg

### Clearance

The relatively low external casing temperature experienced in normal operation permits installation with only 50mm air gap clearance to combustible materials. Where the Twin-Wall Chimney passes through a combustible floor the appropriate firestopping components must be used.

### Lengths of Chimney

Standard lengths of 1219mm, 914mm, 610mm, 457mm, 305mm and 152mm and an adjustable length are available. Individual tables provide details.

### Elbows

Building regulations stipulate that where bends are essential, they should be angled at no more than 45° to the vertical. 15°, 30° and 45° elbows are available.

### Floor and Ceiling Penetration

Where the chimney penetrates a combustible floor or ceiling a 50mm air gap clearance must be maintained from the outer skin of the chimney to any combustible materials. Components are available which cater for such requirements.

Please refer to floor penetration requirements at the rear of this brochure.

### Roof Penetrations

Where the chimney penetrates the roof an appropriate flashing should be used. The Seldek range of flashings is specifically designed for this purpose. To fit, trim the E.P.D.M. cone to suit the external pipe size using sharp tin snips or scissors, slide down pipe using water as a lubricant. Dress the aluminium or lead base over the profile of the tiles. Providing the cone has been cut to the appropriate size, the use of a storm collar or sealant is not required. If the chimney has a raised seam on the outer skin a small amount of silicone sealant should be applied where the chimney penetrates the E.P.D.M. cone of the flashing.

### Termination

Two types of terminations are available. Both have female couplers and are fixed to the top chimney length and secured with a locking band. The rain cap is a domed stainless steel cap. The AD cowl provides aerodynamic down-draught protection. Both terminations are deemed to be sacrificial components.



## LENGTHS



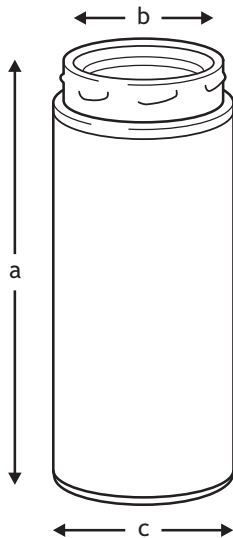
### LENGTHS

Available in 4 sizes and 6 lengths. They are easy to assemble and can be combined to obtain the required installation height.

Each length is 38mm longer than its effective length.

All lengths are seam welded.

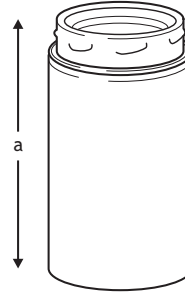
127 mm	5STC-L48	1219	127	178
127 mm	5STC-L36	914	127	178
127 mm	5STC-L24	610	127	178
127 mm	5STC-L18	457	127	178
127 mm	5STC-L12	305	127	178
127 mm	5STC-L6	152	127	178



Size	Part #	amm	bmm	cmm
152 mm	6STC-L48	1219	152	203
152 mm	6STC-L36	914	152	203
152 mm	6STC-L24	610	152	203
152 mm	6STC-L18	457	152	203
152 mm	6STC-L12	305	152	203
152 mm	6STC-L6	152	152	203

Size	Part #	amm	bmm	cmm
178 mm	7STC-L48	1219	178	229
178 mm	7STC-L36	914	178	229
178 mm	7STC-L24	610	178	229
178 mm	7STC-L18	457	178	229
178 mm	7STC-L12	305	178	229
178 mm	7STC-L6	152	178	229

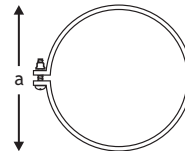
Size	Part #	amm	bmm	cmm
203 mm	8STC-L48	1219	203	254
203 mm	8STC-L36	914	203	254
203 mm	8STC-L24	610	203	254
203 mm	8STC-L18	457	203	254
203 mm	8STC-L12	305	203	254
203 mm	8STC-L6	152	203	254



### ADJUSTABLE LENGTH

The Adjustable Length is designed to provide small increments in length between 2 fixed points. This length is not a load bearing component, it fits over the length below and by removing the required amount of insulation material the length will adjust from 50mm to 200mm. Because the components application and installation and therefore performance cannot be accurately controlled this component should be installed 300mm from any combustible material.

Size	Part #	amm
127 mm	5STC-AL	300
152 mm	6STC-AL	300
178 mm	7STC-AL	300
203 mm	8STC-AL	300

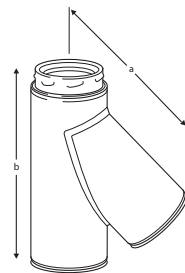


### LOCKING BANDS

Inward flanges around the band fit into grooves at chimney length joints. Reinforces joints of chimney and prevents accidental uncoupling. Locking Band is included with all insulated lengths, tees and elbows.

Size	Part #	amm
127 mm	5STC-LB	178
152 mm	6STC-LB	203
178 mm	7STC-LB	229
203 mm	8STC-LB	254

## TEES



### 135° INSULATED TEE & PLUG

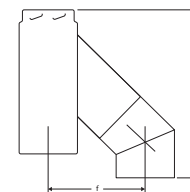
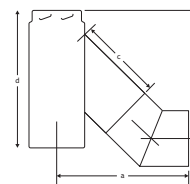
The 135° Insulated Tee is used at the base of a vertical flue. Each Tee is supplied with one Locking Band and plug. Can be used on the base or branch to provide access. Each Tee has silicone sealant applied for added protection against rain ingress.

See Table 4A and diagrams for dimensions of the 135° Insulated Tee and a 45° Elbow positioned in a vertical or horizontal direction.

Size	Part #	amm	bmm
127 mm	5STC-E135	450	453
152 mm	6STC-E135	550	457
178 mm	7STC-E135	600	533
203 mm	8STC-E135	650	565

Dimension Table 4A – 135° Tee/45° Elbow

	125mm ID Chimney	150mm ID Chimney	175mm ID Chimney	200mm ID Chimney
a	368	394	432	457
b	419	445	483	533
c	267	292	318	343
d	453	457	533	565
e	502	546	584	635
f	286	298	337	356

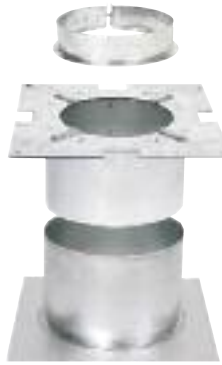




### INSULATED TEE PLUG

The insulated Tee Plug allows access for inspection and cleaning.

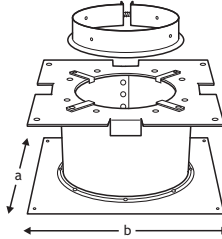
Size	Part #
127 mm	5STC-ITP
152 mm	6STC-ITP
178 mm	7STC-ITP
203 mm	8STC-ITP



### CEILING SUPPORT (Galvanised)

These supports MUST be used whenever the weight of the STC chimney is to be taken at ceiling level and where it is applied with solid fuel, multi-fuel or wood burning appliances. The component incorporates a radiation shield, and is used where the chimney passes through a combustible floor. The maximum length of any sections of the chimney which can be carried by the Ceiling Support is 15ms, part of which can be suspended beneath it.

Size	Part #	amm	bmm
127 mm	5STC-CS	333	333
152 mm	6STC-CS	355	355
178 mm	7STC-CS	380	380
203 mm	8STC-CS	405	405



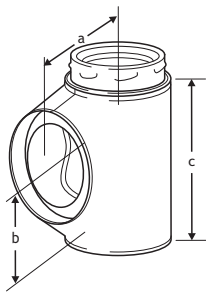
Please refer to floor penetration requirements at the rear of this brochure.



### 90° INSULATED TEE & PLUG

The insulated Tee allows the horizontal connection of the chimney to the appliance. The Tee Cap provided allows access for inspection and cleaning.

Size	Part #	amm	bmm	cmm
127 mm	5STC-E90	159	159	318
152 mm	6STC-E90	162	162	324
178 mm	7STC-E90	175	175	349
203 mm	8STC-E90	187	187	375

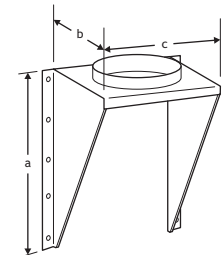


### ADJUSTABLE WALL SUPPORT

The Adjustable Wall Support will allow for an adjustment of 51mm to 152mm from a vertical wall. For use with an insulated tee. Consists of two wall brackets, plate and hardware. Two angled brackets are supplied with the adjustable wall support to hold the T plug in place as illustrated.

For support heights refer to chart below.

Size	Part #	amm	bmm	cmm
127 mm	5STC-AWS	479	270	235
152 mm	6STC-AWS	479	270	235
178 mm	7STC-AWS	521	295	260
203 mm	8STC-AWS	556	321	286



## SUPPORTS

### ROOF SUPPORT (Universal)

Provided with gimbal plates to permit a chimney to be supported on roof joists, trussed rafters etc.



Maximum length of chimney which can be suspended below the roof support is 6.08 metres. Maximum total length (both above and below is 9.12 metres).

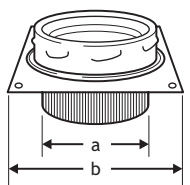
Size	Part #
Universal	STC-RS

### WALL SUPPORT CHIMNEY HEIGHT CHART

Distance from Wall to Chimney	127mm dia. Max. Height m	152mm dia. Max. Height m	178mm dia. Max. Height m	203mm dia. Max. Height m
51 mm	22.50	19.15	17.02	14.90
64 mm	22.19	18.85	16.72	14.59
76 mm	21.58	18.24	16.11	14.29
89 mm	19.15	17.94	15.50	13.98
102 mm	20.06	17.02	14.90	13.38
114 mm	18.85	16.11	13.98	12.77
127 mm	17.63	15.20	13.07	11.86
140 mm	15.81	13.68	11.55	10.64
152 mm	13.68	11.86	10.34	9.12

### ANCHOR PLATE

The Anchor Plate can be used for adapting the Selkirk Twin-Wall Chimney System to a "brick built chimney". Stainless steel and heavy gauge steel construction for long life. Retains chimney with a twist-lock connection.



Size	Part #	amm	bmm
127 mm	5STC-AP	127	235
152 mm	6STC-AP	152	235
178 mm	7STC-AP	178	260
203 mm	8STC-AP	203	286



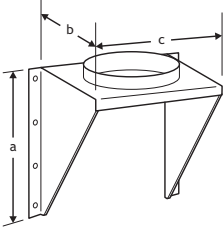


### INTERMEDIATE WALL SUPPORT

Designed to provide intermediate support for the chimney at any point throughout its length. Will support chimney heights as per chart on page 3.

Chimney length is not supplied.

Size	Part #	amm	bmm	cmm
127 mm	5STC-AIWS	435	250	375
152 mm	6STC-AIWS	435	275	375
178 mm	7STC-AIWS	435	300	375
203 mm	8STC-AIWS	435	325	375



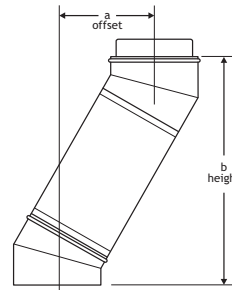
### ELBOWS



#### ELBOW

Elbows do not have barbs on either female or male couplers. This allows 360 degree rotation and locking bands secure the components together at the exact offset required. Elbows can be used on the same 50mm air space clearance as chimney sections.

Size	15° Elbow Part #	30° Elbow Part #	45° Elbow Part #
127 mm	5STC-E15	5STC-E30	5STC-E45
152 mm	6STC-E15	6STC-E30	6STC-E45
178 mm	7SCT-E15	7STC-E30	7STC-E45
203 mm	8STC-E15	8STC-E30	8STC-E45



To determine offset dimension requirements, see chart below.

#### STC ELBOW OFFSET CHARTS

##### 15° OFFSET CHART

Chimney Length mm	127 mm dia.		152 mm dia.		178 mm dia.		203 mm dia.	
	amm	bmm	amm	bmm	amm	bmm	amm	bmm
none	25	210	25	232	25	225	25	219
152	57	327	57	348	57	342	57	335
305	95	474	95	496	95	489	95	483
457	136	621	136	643	136	636	136	630
610	175	769	175	790	175	784	175	777
305 & 457	206	885	206	907	206	900	206	894
914	254	1063	254	1085	254	1078	254	1071
305 & 914	325	1327	325	1348	325	1342	325	1335
457 & 914	364	1474	364	1495	364	1489	364	1482
305 & 457 & 914	435	1738	435	1759	435	1753	435	1746
1219	333	1357	333	1379	333	1372	333	1366

##### 30° OFFSET CHART

Chimney Length mm	127 mm dia.		152 mm dia.		178 mm dia.		203 mm dia.	
	amm	bmm	amm	bmm	amm	bmm	amm	bmm
none	90	340	90	394	105	407	105	407
152	150	444	150	499	164	511	164	524
305	228	576	228	630	241	643	241	656
457	303	708	303	762	317	775	317	788
610	379	840	379	894	395	907	395	920
305 & 457	517	953	517	1131	530	1144	530	1156
914	532	1104	532	1158	545	1171	545	1184
305 & 914	669	1341	669	1395	681	1407	681	1420
457 & 914	745	1472	745	1527	758	1539	758	1552
305 & 457 & 914	821	1605	821	1659	835	1672	835	1684
1219	679	1351	679	1405	691	1417	691	1430

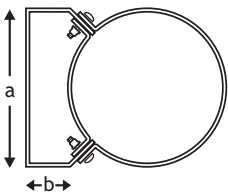
##### 45° OFFSET CHART

Chimney Length mm	127 mm dia.		152 mm dia.		178 mm dia.		203 mm dia.	
	amm	bmm	amm	bmm	amm	bmm	amm	bmm
none	120	304	120	305	140	356	140	384
152	205	389	205	390	225	441	225	469
305	313	497	313	498	333	549	333	577
457	421	605	421	606	441	657	441	685
610	529	713	529	713	548	765	548	793
305 & 457	722	906	722	906	742	958	742	986
914	744	928	744	929	764	980	764	1008
305 & 914	937	1121	937	1122	958	1173	958	1201
457 & 914	1045	1229	1045	1230	1065	1281	1065	1309
305 & 457 & 914	1153	1337	1153	1337	1173	1388	1173	1417
1219	955	1144	955	1144	980	1196	980	1224

### ANODISED WALL BAND

The Wall Band is used along the wall to provide for 50mm clearance and assure stability, required at 2.4 metres or closer intervals to stabilise the chimney. Stainless steel band, anodised back plate.

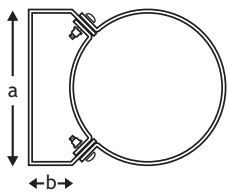
Size	Part #	amm	bmm
127 mm	5STC-WB	125	50
152 mm	6STC-WB	145	50
178 mm	7STC-WB	175	50
203 mm	8STC-WB	200	50



### STAINLESS STEEL WALL BAND

All stainless steel construction provides 50mm clearance from the wall and lateral stability.

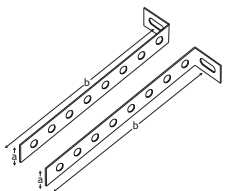
Size	Part #	amm	bmm
127 mm	5STC-WBSS	175	50
152mm	6STC-WBSS	190	50
178 mm	7STC-WBSS	210	50
203 mm	8STC-WBSS	220	50



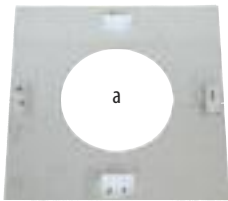
### STAINLESS STEEL WALL BAND EXTENSION BRACKETS

Attaches to stainless steel wall band (as shown) to extend clearance between chimney and wall surface.

Part #	amm	bmm
STC-WBEB	40	300



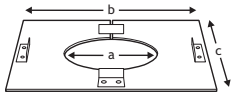
## FIRESTOPS



### FIRESTOP SPACER

Firestop Spacers are non-load bearing and provide lateral bracing. They can be used where the chimney passes through a non-combustible floor or where the chimney below is not enclosed. If an enclosure is applied to within 50mm of the outside skin, four grilles must be used, two each side, top and bottom.

Size	Part #	amm	bmm	cmm
127 mm	5STC-FS	191	343	279
152 mm	6STC-FS	206	356	305
178 mm	7STC-FS	232	381	330
203 mm	8STC-FS	257	406	356



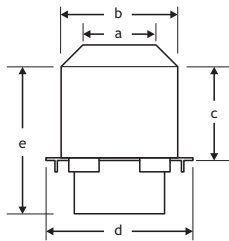
Please refer to floor penetration requirements at the rear of this brochure.



### ATTIC INSULATION SHIELD

The Attic Insulation Shield is used wherever the chimney enters an open attic. A Joist Shield is included for use when the chimney is enclosed below the ceiling. Refer to installation instructions for full details.

The Attic Insulation Shield acts as an insulation shield to keep blown in or blanket insulation from filling in our framed opening or contacting the chimney.



DIAMETER OF CHIMNEY	5STC-AIS 127 mm	6STC-AIS 152 mm	7STC-AIS 178 mm	8STC-AIS 203 mm
FRAMED OPENING	11 x 11 280 x 280	12 x 12 305 x 305	13 x 13 330 x 330	14 x 14 358 x 358
amm	180.8 mm	180.8 mm	231.6 mm	257 mm
bmm	279.4 mm	304.5 mm	330.2 mm	355.6 mm
cmm	250 mm	250 mm	250 mm	250 mm
dmm	330.2 mm	355.6 mm	381 mm	406.4 mm
emm	516 mm	516 mm	516 mm	516 mm

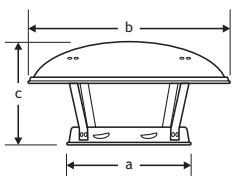
## TERMINATIONS



### RAIN CAP

Secured with Locking Band (not supplied).

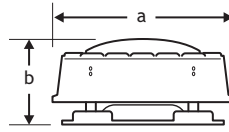
Size	Part #	amm	bmm	cmm
127 mm	5STC-RC	127	254	160
152 mm	6STC-RC	152	305	160
178 mm	7STC-RC	178	356	190
203 mm	8STC-RC	203	406	190



## ANTI-DOWNDRAUGHT COWL

This Anti-downdraught Cowl provides aerodynamic downdraught protection whilst being compact and incorporating a coupler which allows the cowl to be connected to a Selkirk Twin-Wall chimney with use of a Locking Band (not supplied). Powder coated silver. (Also available in Black - code number DADB)

This product is tested to BS715 and against BS EN1856 Part 2 as being suitable for all types of fuel.



Also available in black

Size	Part #	amm	bmm
127 mm	5STC-DADS	330	130
152 mm	6STC-DADS	330	130
178 mm	7STC-DADS	330	130
203 mm	8STC-DADS	330	130

## STORM COLLAR

The Storm Collar is designed to fit around the chimney pipe just above the upstand of a standard roof flashing. The upper edge of the Storm Collar should be waterproofed with non-hardening silicone caulking to prevent any water from leaking between the Storm Collar and chimney pipe.

NOTE: Storm Collar is not required with Seldek flashings.



Size	Part #
127 mm	5STC-SC
152 mm	6STC-SC
178 mm	7STC-SC
203 mm	8STC-SC

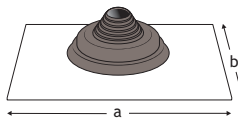
## FLASHINGS

### SELDEK

The Seldek Flashing is used to form a watertight seal when the chimney penetrates a slate or tiled roof, available with lead or aluminium base (as shown). For external pipe diameters from 50mm to 170mm (Seldek No. 1), or 110mm to 200mm (Seldek No. 2), or 160mm to 300mm (Seldek No. 3).



Part #	amm	bmm	
SDA 101	500	500	Seldek No. 1
SDA 102	600	600	Seldek No. 2
SDA 103	764	764	Seldek No. 3



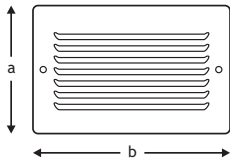
## MISCELLANEOUS ACCESSORIES



### VENTILATION GRILLE

Ventilation Grilles are required when the chimney is enclosed and non-ventilated firestops are used.

Please refer to floor penetration requirements at the rear of this brochure.

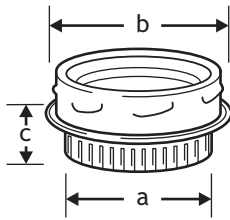


Part #	amm	bmm
VG	140	240



### ADAPTOR

Used as a vertical or horizontal connection between chimney lengths and connector pipe or to connect directly to an appliance.



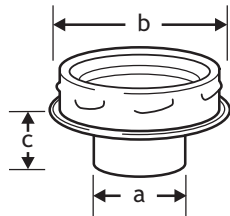
Size	Part #	amm	bmm	cmm
127 mm	5STC-A	127	178	40
152 mm	6STC-A	152	203	40
178 mm	7STC-A	178	229	40
203 mm	8STC-A	203	254	40



### 100 – 127mm INCREASING ADAPTER

Used to connect from 100mm outlet on appliance or 100mm flue pipe to 127mm Twin-Wall chimney.

Part #	amm	bmm	cmm
05STC-IA	100	178	40



### 127 – 152mm INCREASER ADAPTER

Used to connect from 127mm outlet on appliance or 127mm flue pipe to 152mm Twin-Wall chimney.

Part #	amm	bmm	cmm
06STC-IA	125	203	40

### 152 – 178mm INCREASER ADAPTER

Used to connect from 152mm outlet on appliance or 152mm flue pipe to 178mm Twin-Wall chimney.

Part #	amm	bmm	cmm
07STC-IA	150	230	40

### 178 – 203mm INCREASER ADAPTER

Used to connect from 178mm outlet on appliance or 178mm flue pipe to 203mm Twin-Wall chimney.

Part #	amm	bmm	cmm
08STC-IA	175	255	40



### ROOF BRACE KIT

A Roof Brace Kit can be used whenever there is a need to stabilise the chimney above the roof level. The roof brace kit must be used if the chimney extends 1.5 + metres above the roof. The arms can be adjusted from 1.5 metres to 2.9 metres in length.



Size	Part #
Universal	STC-RBK

### ROOF BRACE KIT REQUIREMENTS

Up to 1.2 metres	None
1.5 metres to 3 metres	1
over 3 metres	1 every 1.5 metres



### COSMETIC COVER RING

Used to finish the transition between the single skin flue pipe and the Twin-Wall chimney held in place by the locking band. Black powder coated. Available in Brushed Aluminium at same price.

Part #
05STC CCR - for 127mm adaptor
06STC CCR - for 152mm adaptor
07STC CCR - for 178mm adaptor
08STC CCR - for 203mm adaptor
05STC CCRI - for 100 - 127mm increasing adaptor
06STC CCRI - for 127 - 152mm increasing adaptor
07STC CCRI - for 152 - 178mm increasing adaptor
08STC CCRI - for 178 - 203mm increasing adaptor



### TRIM PLATES

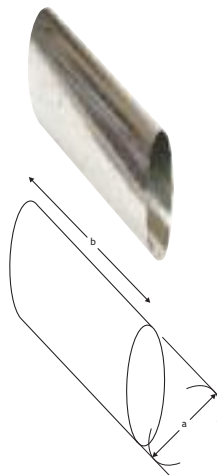
Used as a cosmetic cover plate where the chimney penetrates a sloped wall or ceiling available in flat, 20°, 30° or 45° angles.

Flat	20°	30°	45°
05STC-TPFTP	05STC-TP20	05STC-TP30	05STC-TP45
06STC-TPFTP	06STC-TP20	06STC-TP30	06STC-TP45
07STC-TPFTP	07STC-TP20	07STC-TP30	07STC-TP45
08STC-TPFTP	08STC-TP20	08STC-TP30	08STC-TP45



### WALL SLEEVE

Used to allow chimney to pass through a cavity wall.



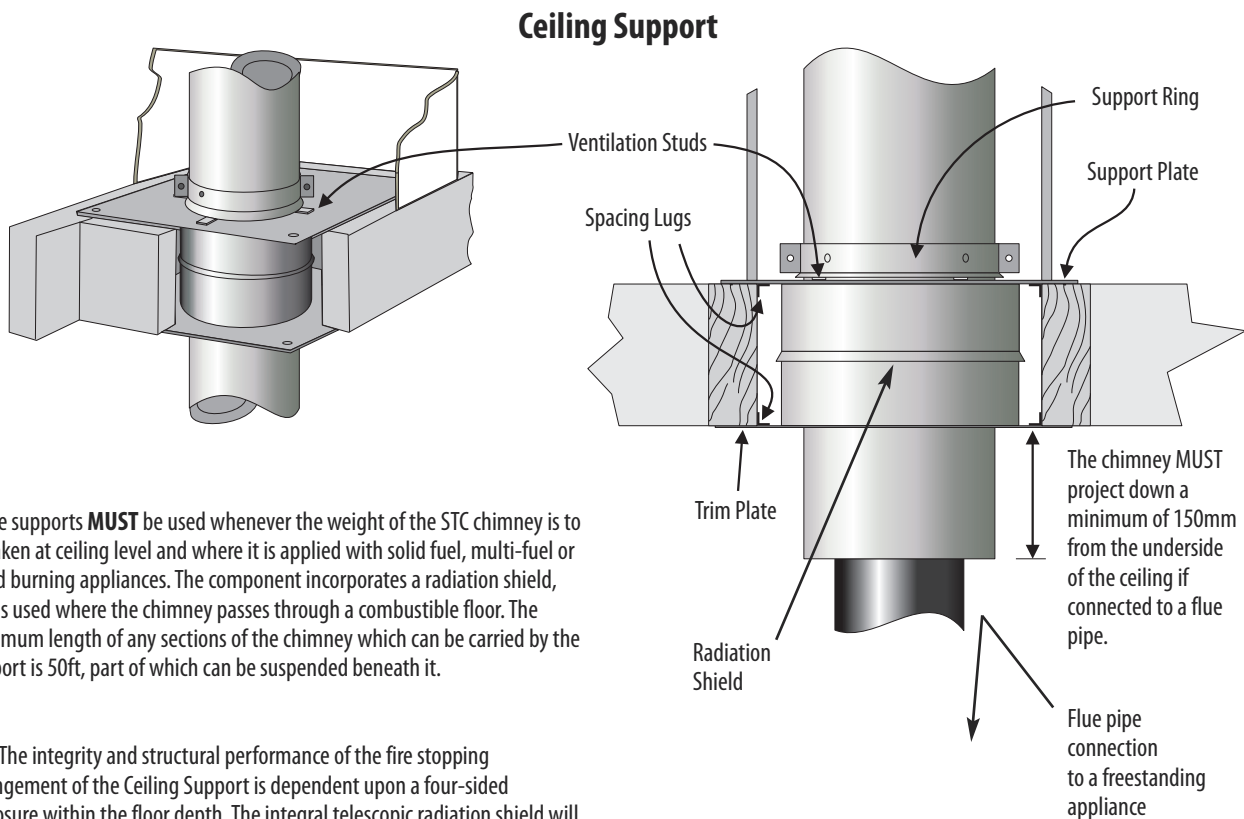
Part #	amm	bmm
WS05F	195	400
WS06F	225	400
WS07F	280	400
WS08F	300	400

## Floor penetration and chimney enclosure requirements for the Selkirk STC Chimney System assessed to BS EN 1856-1 at T450.

Building Regulations as well as the approval procedure to which all prefabricated system chimneys are required to be certificated, dictate that an adequate air gap clearance **MUST** be maintained between the outside skin of the chimney and any combustible material. Clearances becomes more crucial if the chimney is enclosed. The increase in temperature within any enclosure must be dissipated for safety reasons. The approval process for the Selkirk STC Chimney system requires the air gap distance to be not less than 50mm. Where the chimney passes through a room or cupboard and is enclosed, four ventilation grilles **MUST** be used as shown in fig.1 on page 8.

Appropriate components to be used and how they are applied are described in these illustrations and related text and must be followed to ensure that the STC system is applied in accordance with its certificated approval.

These illustrations represent typical configurations over a freestanding solid fuel or wood burning appliance. **NOTE:** If the STC Chimney System serves an appliance which is located within a false chimney breast, it is good practice to provide an air gap clearance of at least 100mm between any combustible material located within the false chimney breast and the outer surface of the chimney.



These supports **MUST** be used whenever the weight of the STC chimney is to be taken at ceiling level and where it is applied with solid fuel, multi-fuel or wood burning appliances. The component incorporates a radiation shield, and is used where the chimney passes through a combustible floor. The maximum length of any sections of the chimney which can be carried by the Support is 50ft, part of which can be suspended beneath it.

- 1 The integrity and structural performance of the fire stopping arrangement of the Ceiling Support is dependent upon a four-sided enclosure within the floor depth. The integral telescopic radiation shield will accommodate floor thickness of between 150 and 275mm. Frame a level square opening within the joists using timber stringers where necessary according to the chimney diameter.
- 2 Screw or nail the trim plate to the underside of the frame, so that the lower half of the integral radiation shield is centrally located.
- 3 Locate the Support Plate in position so that the upper half of the radiation shield locates over the lower half of the radiation shield projecting from the lower trim plate. Push down until the two halves of the radiation shield telescope together and the Support Plate rests on top of the frame. Screw or nail into position.
- 4 Lower the chimney through the Support Plate with the support clamping ring loosely positioned.

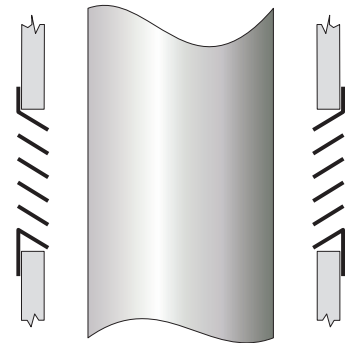
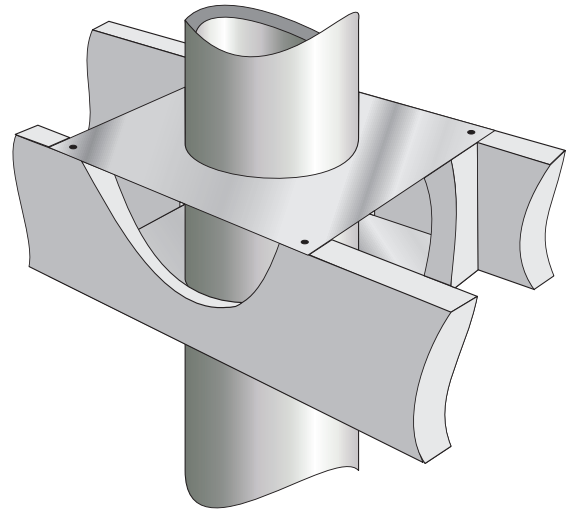
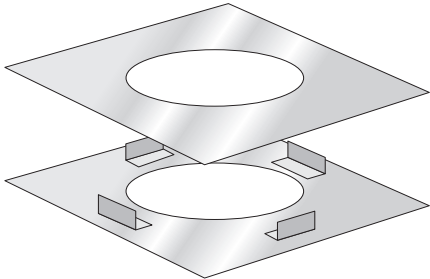
- 5 Once the position of the chimney is determined, tighten the clamp support ring to the chimney so that the flared edge rests on the ventilating studs of the Support Plate.

- 6 Using four holes in the clamping support ring as a guide, drill four 3mm holes through the outer wall of the chimney taking care not to pierce the inner skin of the chimney. Using the self-tapping screws provided secure the clamping ring to the chimney wall.

**NOTE.** The illustrations in this section are Copyright protected and are representative of support components. They are not drawn to scale, and details may vary from those illustrated where design improvements are made.

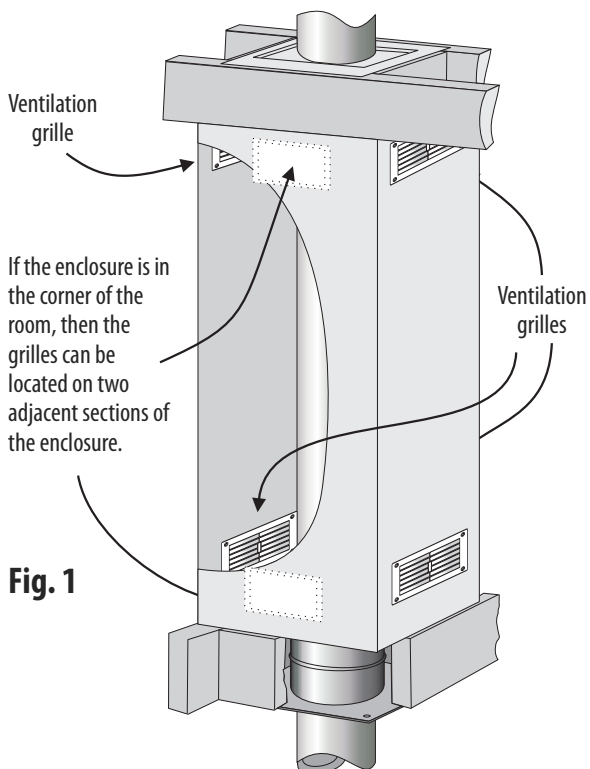
## Firestop Spacers

These non-load bearing supports provide the alternative method for bracing the chimney at the ceiling penetration point into the roof space where the chimney below is enclosed not less than 50mm of the outer skin of the chimney surface **AND THE ENCLOSURE IS VENTILATED TOP AND BOTTOM WITH PURPOSE DESIGNED GRILLES**, as shown in fig. 1. They are also used where the chimney penetrates a non-combustible floor.

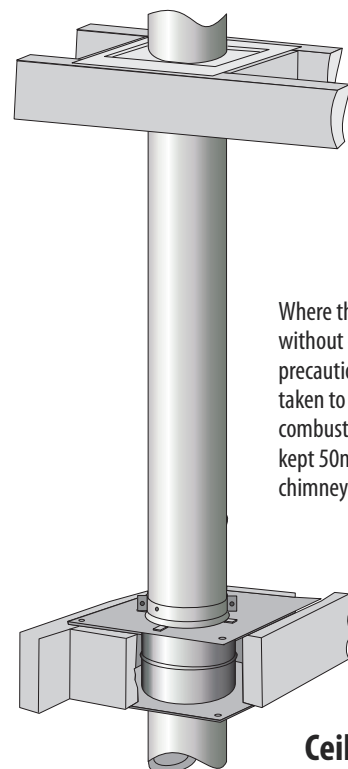


In every case, where grilles are required and used, EACH must have a minimum unrestricted air ingress area of 110cm<sup>2</sup>. They MUST also be used so that the slopes of the inlets point downwards into the enclosures as shown here.

### Firestop Spacers used where the chimney beneath is enclosed



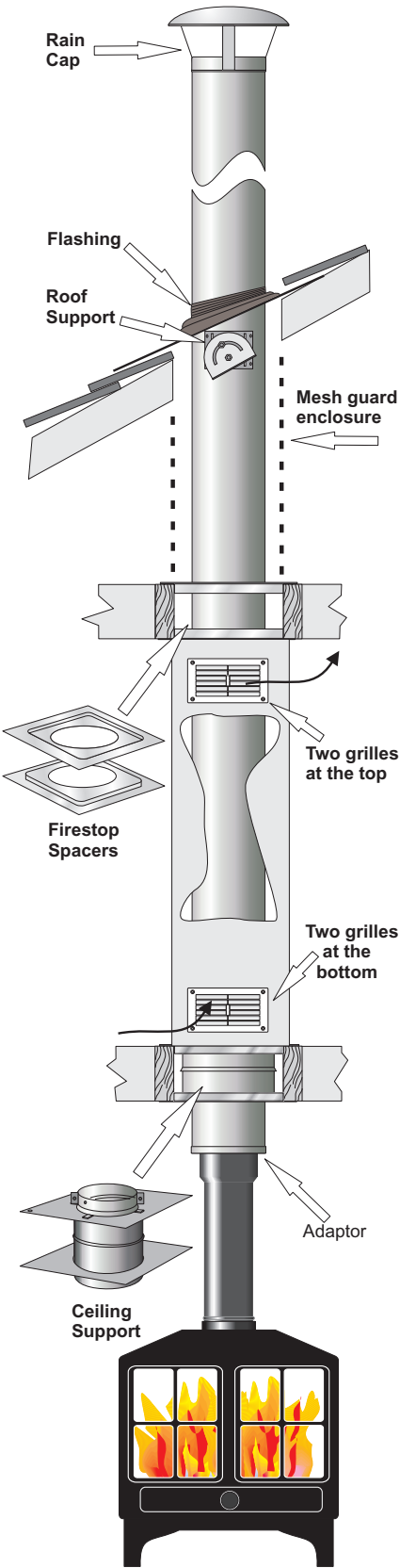
### Firestop Spacers used where the chimney beneath is exposed



Where the chimney is used without enclosure, precautions should be taken to ensure that any combustible materials are kept 50mm clear of the chimney external surface.

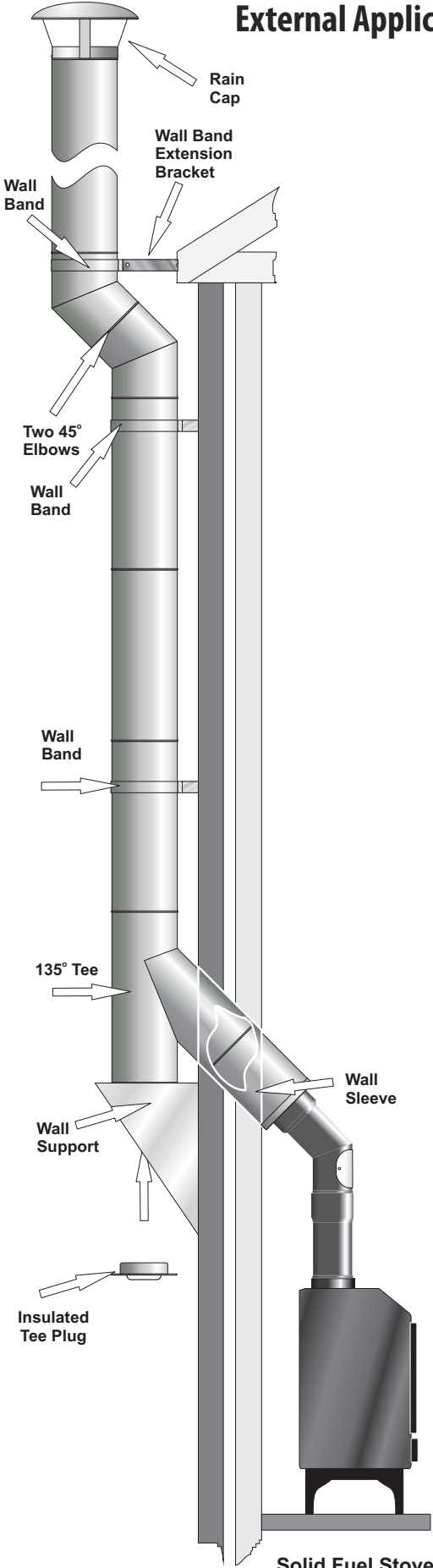
# TYPICAL INSTALLATIONS

## Internal Application



Free Standing Solid Fuel appliance, with grille ventilated enclosure

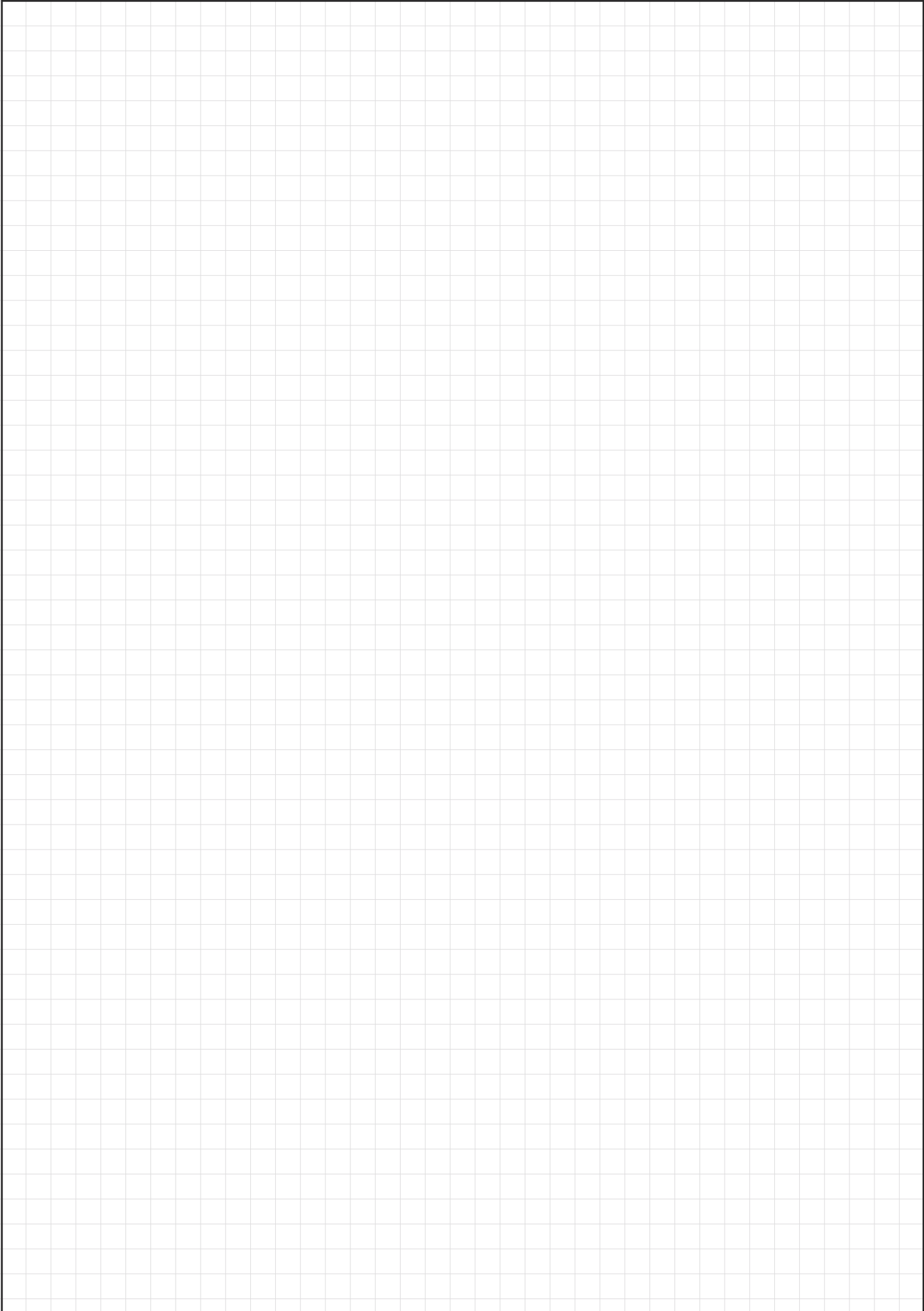
## External Application



Solid Fuel Stove



**DESIGN YOUR SYSTEM HERE**





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Deks Distribution  
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Nailsea, Bristol BS48 4DJ

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Fax: 01275 855887  
sales@deks.org.uk  
www.selkirkchimney.co.uk



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\*The CE mark applies to the primary storage tank only and does not extend to the outer bund.  
The CE mark is located on the inner tank.

# EcoSafe® BUNDED OIL TANKS

The Complete Integrally Bundled Oil Storage System



ONE YEAR GUARANTEE ON EQUIPMENT



**CODE: ES1000**

Capacity 1000 Ltrs/  
220 Gals  
Length 2150 mm  
Width 690 mm  
Height 1480 mm



**CODE: ESLP1200**

Capacity 1200 Ltrs/  
260 Gals  
Length 1940 mm  
Width 1540 mm  
Height 1060 mm



**CODE: ES1225**

Capacity 1225 Ltrs/  
270 Gals  
Length 2050 mm  
Width 900 mm  
Height 1515 mm



**CODE: ES1300**

Capacity 1300 Ltrs/  
285 Gals  
Length 1920 mm  
Width 1230 mm  
Height 1300 mm



**CODE: ESV1300**

Capacity 1300 Ltrs/  
285 Gals  
Diameter 1550 mm  
Height 1485 mm



**CODE: ESSL1400\***

Capacity 1400 Ltrs/  
307 Gals  
Length 2200 mm  
Width 650 mm  
Height 1650 mm



**CODE: ES1800**

Capacity 1800 Ltrs/  
400 Gals  
Length 2370 mm  
Width 1300 mm  
Height 1355 mm



**CODE: ESSL2000**

Capacity 2000 Ltrs/  
440 Gals  
Length 2500 mm  
Width 800 mm  
Height 1650 mm



**CODE: ES2500**

Capacity 2500 Ltrs/  
550 Gals  
Length 2450 mm  
Width 1425 mm  
Height 1450 mm




**CODE: ESV2500**

Capacity 2500 Ltrs/  
550 Gals  
Diameter 2000 mm  
Height 1490 mm



**CODE: ES3500**

Capacity 3500 Ltrs/  
775 Gals  
Diameter 2140 mm  
Height 1945 mm



**CODE: ES9000\***

Capacity 9000 Ltrs/  
1980 Gals  
Diameter 2450 mm  
Height 2950 mm



**CODE: ESSL4000**

Capacity 4000 Ltrs/  
880 Gals  
Length 3170 mm  
Width 1150 mm  
Height 2340 mm  
(Top outlet only)



**CODE: ES5000**

Capacity 5000 Ltrs/  
1100 Gals  
Diameter 2250 mm  
Height 2400 mm

\*All tank dimensions are an approximate only.



**WATCHMAN ALARM TANK PACK**  
for Ecosafe range

All Ecosafe tanks come complete with a WatchmanAlarm tank pack. Greatly reduces installation time.

**Tank Pack consists of:**

1. WatchmanAlarm Transmitter
2. WatchmanAlarm Receiver
3. PTFE Tape
4. Heldite
5. Heldite Applicator
6. Gate Valve and Filter




Suitable for the storage of kerosene (C1/C2), fuel oil (A2), and gas oil/diesel, as defined in BSEN2869 and BSEN590, including up to 7% biofuel to BSEN14214.

\*OFCERT approval pending.

## Talking TITAN® SINGLE SKIN OIL TANKS



ONE YEAR GUARANTEE ON EQUIPMENT




**CODE: R1000TT**

Capacity 1000 Ltrs/  
220 Gals  
Length 1880 mm  
Width 590 mm  
Height 1335 mm



**CODE: LP1200TT**

Capacity 1200 Ltrs/  
260 Gals  
Length 1785 mm  
Width 1350 mm  
Height 930mm



**CODE: R1225TT**

Capacity 1225 Ltrs/  
270 Gals  
Length 1785 mm  
Width 750 mm  
Height 1370 mm



**WATCHMAN TANK PACK**  
for Talking Titan range

All Talking Titan tanks come complete with a Watchman tank pack. Greatly reduces installation time.

**Tank Pack consists of:**

1. Watchman Sonic Transmitter
2. Watchman Sonic Receiver
3. PTFE Tape
4. Heldite
5. Heldite Applicator
6. Gate Valve and Filter



Please note: Standard Tanks can be supplied upon request but Titan recommend customers fit the all inclusive Talking Titan Tank version. Check with your local distributor for pricing structure. Each Talking Titan Tank is supplied with a Tank Pack.



**CODE: H1300TT**

Capacity 1300 Ltrs/  
285 Gals  
Length 1700 mm  
Width 1050 mm  
Height 1120 mm



**CODE: V1300TT**

Capacity 1300 Ltrs/  
285 Gals  
Diameter 1200 mm  
Height 1395 mm



**CODE: H1800TT**

Capacity 1800 Ltrs/  
400 Gals  
Length 2170 mm  
Width 1100 mm  
Height 1170 mm



**CODE: H2500TT**

Capacity 2500 Ltrs/  
550 Gals  
Length 2235 mm  
Width 1250 mm  
Height 1310 mm



**CODE: V2500TT**

Capacity 2500 Ltrs/  
550 Gals  
Diameter 1650 mm  
Height 1460 mm

Suitable for the storage of kerosene (C1/C2), fuel oil (A2), and gas oil/diesel, as defined in BSEN2869 and BSEN590, including up to 7% biofuel to BSEN14214.


\*All tank dimensions are an approximate only.

## FuelMaster® STORAGE & DISPENSING TANKS

Secure Fuel Storage & Dispensing Systems for Agricultural & Commercial Applications



ONE YEAR GUARANTEE ON EQUIPMENT




**CODE: FMPV3500**

Capacity 3500 Ltrs/  
755 Gals  
Length 2850 mm  
Width 2200 mm  
Height 1960 mm



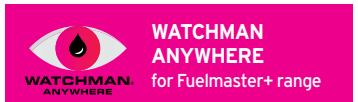
**CODE: FMPH1300**

Capacity 1300 Ltrs/  
285 Gals  
Length 1920 mm  
Width 1230 mm  
Height 1785mm



**CODE: FMPH2500**

Capacity 2500 Ltrs/  
550 Gals  
Length 2460 mm  
Width 1460 mm  
Height 1860 mm



**WATCHMAN ANYWHERE**  
for Fuelmaster+ range



**CODE: FMPV9000\***

Capacity 9000 Ltrs/  
1980 Gals  
Length 3280 mm  
Width 2450 mm  
Height 2950 mm



**CODE: FMPSL4000**

Capacity 4000 Ltrs/  
880 Gals  
Length 3900 mm  
Width 1150 mm  
Height 2340 mm



**CODE: FMPV5000**

Capacity 5000 Ltrs/  
1100 Gals  
Length 2850 mm  
Width 2250 mm  
Height 2350 mm



Remote oil level monitoring

- Factory Fitted Remote Oil Level Monitoring device
- Simple Online Registration Required
- Monitor oil levels anywhere via Text / Email / App
- Includes Free 12 months subscription
- Affordable annual subscription thereafter

Suitable for the storage of fuel oil (A2), and gas oil/diesel, as defined in BSEN2869 and BSEN590, including up to 7% biofuel to BSEN14214.

\*OFCERT approval pending.

\*All tank dimensions are an approximate only.

TMS Tank Monitoring System available as optional extra. Standard on FMPV9000 / FMPV10000.

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