

Excelsior Plus

Twin wall insulated chimney system



Quality twin wall chimney system for wood burning and multi-fuel stoves

Manufactured and approved to European Standard EN1856-1 with designation **T450 N1 D Vm L50040 G(50)**

 approved

316L inner liner material specification and 304 outer liner material specification with 15 year warranty

Eight-barb quick lock jointing system



100% manufactured in the UK

Broad range of components


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SINCE 1960

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Excelsior Plus

Excelsior Plus has been specifically designed to meet the requirements for multi-fuel appliances that operate under negative or neutral draught conditions.

With a specific range of components and a multi-barb twist-lock jointing system, Excelsior Plus offers the ultimate in ease of installation and quality at a competitive price. Under no circumstances should Excelsior Plus be used on appliances that generate high levels of condensation or positive pressure within the chimney system.

Description

Excelsior Plus is a prefabricated, factory made twin-wall insulated stainless steel system chimney.

The construction provides a high thermal resistance which ensures rapid stabilisation of the flue gas temperature and draught, whilst maintaining a relatively low temperature on the external surface of the chimney. Excelsior Plus is designed for internal and external applications, suitable for negative pressure applications.

Excelsior Plus utilises an eight-barb twist lock jointing system to secure each joint. The components are secured by engaging the barbs with a firm twist of each section. A locking band must then be used at each joint. The joint design facilitates a maximum unsupported height above the last support of up to 1.5 metres, subject to the design considerations detailed within the Installation Instructions.

Technical characteristics

| | |
|-----------------------|---------------------------------------|
| Diameter range | 127, 152, 178, 203mm |
| Operating mode | Dry |
| Pressure | Negative pressure |
| Operating temperature | 450°C negative pressure |
| Inner liner material | 0.4mm grade 316L (1.4404) |
| Outer liner material | 0.4mm grade 304 (1.4301) |
| Insulating material | 25mm mineral wool |
| Joint method | Eight-barb twist lock jointing system |
| Fuel type | Gas, oil and approved solid fuels |



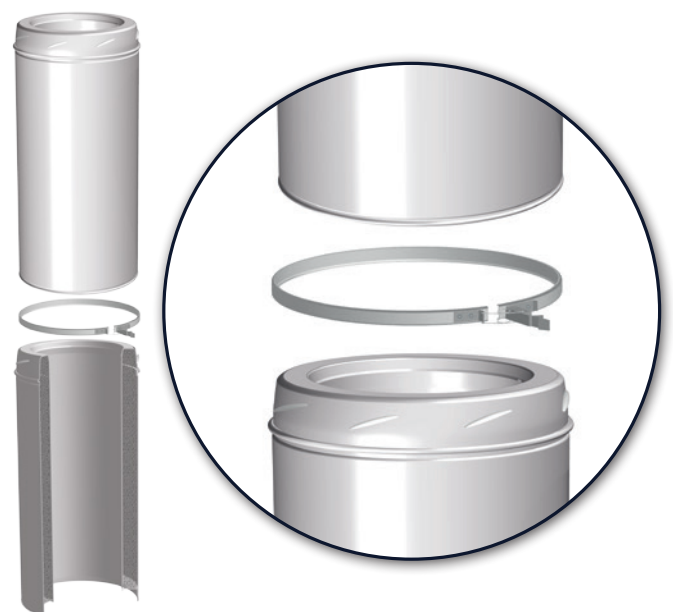
Manufactured and approved to European Standard EN1856-1:

T450 N1 D Vm L50040 G(50)

Excelsior Plus is a quality twin wall flue system designed and approved for use with all fuels including gas, oil, wood and approved solid fuels.

What's the Plus in **Excelsior** Plus?

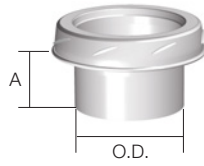
- Better quality product
- More precise engineering to a higher standard
- Manufactured in the UK
- Better after-sales support
- Broader range of components – 1200mm lengths, 3 different adjustable lengths



STARTING COMPONENTS

Appliance Adaptor

Used to connect the appliance outlet to the Excelsior Plus chimney system. Also used to connect Excelsior Plus to single wall connecting flue pipe.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|---------------|---------------|---------------|---------------|
| Height (A) | 36mm | 36mm | 36mm | 36mm |
| O.D. | 123mm | 148mm | 178mm | 198mm |
| Code | XPAD13 | XPAD15 | XPAD18 | XPAD20 |
| Price (s/s) | £28.09 | £30.99 | £34.39 | £37.30 |
| Price (black) | £31.74 | £35.02 | £38.86 | £42.15 |

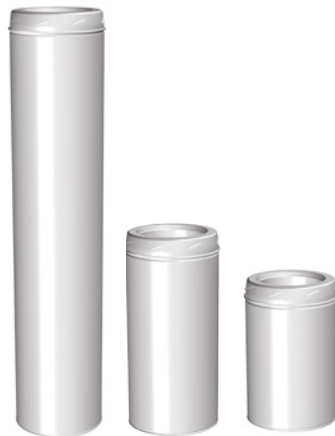
Short Tapered Adaptor

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|----------------|----------------|----------------|----------------|
| Code | XPSTA13 | XPSTA15 | XPSTA18 | XPSTA20 |
| Price (s/s) | TBA | TBA | TBA | TBA |
| Price (black) | TBA | TBA | TBA | TBA |

Univit Adaptor

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|-----------------|-----------------|-----------------|-----------------|
| A | 120mm | 145mm | 170mm | 195mm |
| B | 123mm | 148mm | 178mm | 198mm |
| Code | XPCA1013 | XPCA1015 | XPCA1018 | XPCA1020 |
| Price (s/s) | £36.40 | £40.35 | £44.81 | £47.19 |
| Price (black) | £43.68 | £48.42 | £53.77 | £56.63 |

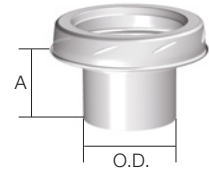
Straight Lengths



| | 1200mm | 1000mm | 500mm | 300mm | 120mm |
|---------------|---------------|----------------|---------------|---------------|----------------|
| Ø127mm | XP1213 | XP10013 | XP5013 | XP3013 | XP01213 |
| Price (s/s) | TBA | £102.83 | £68.18 | £47.04 | £33.52 |
| Price (black) | TBA | £116.21 | £77.05 | £53.16 | £37.88 |
| Ø152mm | XP1215 | XP10015 | XP5015 | XP3015 | XP01215 |
| Price (s/s) | TBA | £128.05 | £77.69 | £54.28 | £39.51 |
| Price (black) | TBA | £144.70 | £87.79 | £61.34 | £44.65 |
| Ø178mm | XP1218 | XP10018 | XP5018 | XP3018 | XP01218 |
| Price (s/s) | TBA | £139.16 | £91.40 | £64.48 | £46.18 |
| Price (black) | TBA | £157.25 | £103.28 | £72.86 | £52.18 |
| Ø203mm | XP1220 | XP10020 | XP5020 | XP3020 | XP01220 |
| Price (s/s) | TBA | £151.47 | £99.00 | £69.21 | £48.29 |
| Price (black) | TBA | £171.15 | £111.87 | £78.21 | £54.57 |

Increasing Adaptor

Used to increase the appliance outlet size by one diameter.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|-----------------|-----------------|-----------------|-----------------|
| Height (A) | 30mm | 30mm | 30mm | 30mm |
| O.D. | 97mm | 123mm | 148mm | 173mm |
| Code | XPIA1013 | XPIA1315 | XPIA1518 | XPIA1820 |
| Price (s/s) | £59.52 | £66.59 | £67.56 | £70.87 |
| Price (black) | £67.26 | £75.25 | £76.34 | £80.08 |

Adaptor to Flex

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|---------------|---------------|---------------|---------------|
| A | 137mm | 163mm | 188mm | 217mm |
| Code | XPAF13 | XPAF15 | XPAF18 | XPAF20 |
| Price (s/s) | £34.19 | £35.55 | £37.28 | £40.52 |

Univit Increasing Adaptor

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------------|------------------|------------------|------------------|
| Code | XPCIA1013 | XPCIA1315 | XPCIA1518 | XPCIA1820 |
| Price (s/s) | £59.52 | £66.59 | £67.56 | £70.87 |
| Price (black) | £67.26 | £75.25 | £76.34 | £80.08 |

Adjustable Lengths

The two-part adjustable lengths are supplied with separate insulating material for insertion into the annulus once the installed length has been determined.

As the insulation density is installed on site we recommend that this component is located at least 300mm from any combustible material.



| | 200mm - 325mm | 350mm - 530mm | 500mm to 850mm |
|---------------|-----------------|----------------|-----------------|
| Ø125mm | XPADJS13 | XPADJ13 | XPADJL13 |
| Price (s/s) | £98.41 | £145.78 | £162.14 |
| Price (black) | £111.20 | £164.73 | £183.22 |
| Ø150mm | XPADJS15 | XPADJ15 | XPADJL15 |
| Price (s/s) | £110.61 | £155.48 | £182.09 |
| Price (black) | £124.99 | £175.69 | £205.77 |
| Ø180mm | XPADJS18 | XPADJ18 | XPADJL18 |
| Price (s/s) | £130.22 | £177.37 | £205.34 |
| Price (black) | £147.15 | £200.43 | £232.03 |
| Ø200mm | XPADJS20 | XPADJ20 | XPADJL20 |
| Price (s/s) | £144.36 | £197.61 | £230.81 |
| Price (black) | £163.13 | £223.30 | £260.82 |

Slip Section Adjustable Length

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPSSL13 | XPSSL15 | XPSSL18 | XPSSL20 |
| Price (s/s) | £102.01 | £110.34 | £125.10 | £132.08 |
| Price (black) | £114.42 | £123.91 | £141.37 | £149.25 |

Adjustable clamp band for slip section

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPCB13 | XPCB15 | XPCB18 | XPCB20 |
| Price (s/s) | £16.39 | £16.86 | £18.30 | £18.71 |
| Price (black) | £25.72 | £27.23 | £29.69 | £31.13 |

ELBOWS / TEES

15° Elbow

See technical data on page 9 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPB1513 | XPB1515 | XPB1518 | XPB1520 |
| Price (s/s) | £85.91 | £95.73 | £110.01 | £115.67 |
| Price (black) | £97.08 | £108.18 | £124.31 | £130.71 |

30° Elbow

See technical data on page 9 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPB3013 | XPB3015 | XPB3018 | XPB3020 |
| Price (s/s) | £85.91 | £95.73 | £110.01 | £115.67 |
| Price (black) | £97.08 | £108.18 | £124.31 | £130.71 |

45° Elbow

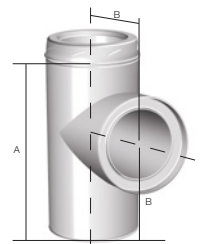
See technical data on page 9 for dimensions. Supplied with an unbarbed female coupler and screw-toggle type locking band for rigid joint bracing, especially when used as an offset around gutters and fascia boards.



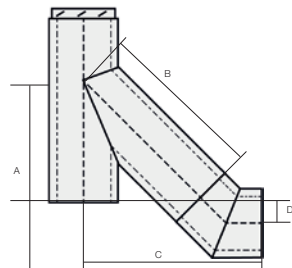
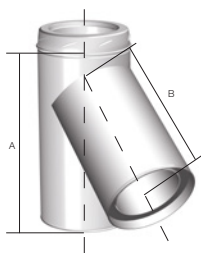
| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPB4513 | XPB4515 | XPB4518 | XPB4520 |
| Price (s/s) | £85.91 | £95.73 | £110.01 | £115.67 |
| Price (black) | £97.08 | £108.18 | £124.31 | £130.71 |

90° Tee

Used as the entry to a vertical chimney from a horizontal stove outlet or as an inspection opening.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 300mm | 325mm | 350mm | 375mm |
| B | 150mm | 162mm | 175mm | 187mm |
| Code | XPT9013 | XPT9015 | XPT9018 | XPT9020 |
| Price (s/s) | £183.75 | £196.24 | £218.08 | £270.19 |
| Price (black) | £207.64 | £221.75 | £246.43 | £305.31 |



135° Tee

Used at the base of a vertical chimney, or to allow a smooth transition from the horizontal to vertical plain when used with a 45° elbow. The coupler on the branch is unbarbed to allow unlimited rotational adjustment and provided with an adjustable screw-toggle locking band.

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 495mm | 495mm | 745mm | 745mm |
| B | 340mm | 375mm | 420mm | 450mm |
| C | 388mm | 422mm | 463mm | 492mm |
| D | 38mm | 45mm | 54mm | 60mm |
| Code | XPT4513 | XPT4515 | XPT4518 | XPT4520 |
| Price (s/s) | £219.32 | £236.25 | £250.73 | £275.99 |
| Price (black) | £247.83 | £266.96 | £283.32 | £311.87 |

Tee plug

Used to close off the branch or base of a tee or for use as an access/inspection component.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPTE13 | XPTE15 | XPTE18 | XPTE20 |
| Price (s/s) | £31.47 | £35.58 | £39.45 | £45.04 |
| Price (black) | £35.56 | £40.21 | £44.58 | £50.90 |

Drain plug

Used at the bottom of a vertical chimney to facilitate drainage. Fitted with a stainless steel 1" BSP external thread drain connection.

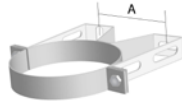


| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Height (L) | XPRBK13 | XPRBK15 | XPRBK18 | XPRBK20 |
| Price (s/s) | £54.68 | £58.78 | £62.60 | £63.86 |
| Price (black) | £61.79 | £66.42 | £70.74 | £72.16 |

SUPPORT COMPONENTS

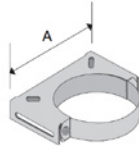
Wall band

Wall bands provide lateral support for the chimney and must be used at intervals not exceeding 3.0 metres beyond any load bearing support.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 142mm | 162mm | 192mm | 212mm |
| Code | XPWB13 | XPWB15 | XPWB18 | XPWB20 |
| Price (s/s) | £36.18 | £37.21 | £38.32 | £39.25 |
| Price (black) | £40.89 | £42.06 | £43.30 | £44.36 |

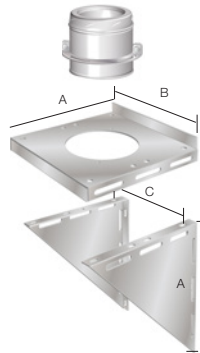
Heavy duty wall band



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 250mm | 270mm | 300mm | 320mm |
| Code | XPHDWB13 | XPHDWB15 | XPHDWB18 | XPHDWB20 |
| Price (s/s) | £38.95 | £41.73 | £45.35 | £48.27 |
| Price (black) | £46.74 | £47.99 | £52.15 | £55.51 |

Wall support kit

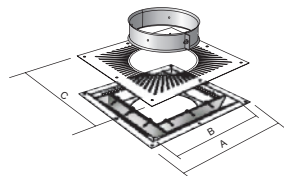
Used to take the vertical load of the chimney when supported from a wall. The support bracket is fully adjustable allowing varying clearances from the wall (50mm as standard). Requires M10 wall fixings.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 282mm | 302mm | 331mm | 355mm |
| B | 311mm | 331mm | 360mm | 384mm |
| C | 265mm | 285mm | 314mm | 338mm |
| Code | XPWSB13 | XPWSB15 | XPWSB18 | XPWSB20 |
| Price (s/s) | £205.13 | £236.34 | £255.13 | £277.82 |
| Price (black) | £231.80 | £267.06 | £288.30 | £313.94 |

Ventilated fire stop kit

Used to both support and firestop the chimney system when it passes through the first combustible floor directly above the appliance.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 361mm | 381mm | 411mm | 431mm |
| B | 281mm | 301mm | 331mm | 351mm |
| C | 379mm | 399mm | 429mm | 453mm |
| Code | XPVFSK13 | XPVFSK15 | XPVFSK18 | XPVFSK20 |
| Price (s/s) | £201.86 | £212.80 | £234.56 | £237.38 |
| Price (black) | £207.37 | £218.60 | £265.06 | £268.24 |
| Price (white) | £207.37 | £218.60 | £265.06 | £268.24 |

Wall Band Extension Set 50-100mm

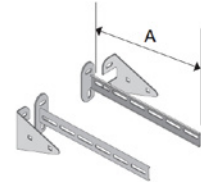
Used with Wall Bands, these components allow the clearance between the wall and outer surface of the chimney to be increased.



| Colour | Stainless | Black |
|--------|-----------|--------|
| Code | XPWBE | XPWBEP |
| Price | £17.61 | £19.90 |

Extension brackets for heavy duty wall band

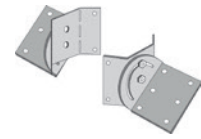
Wall bands provide lateral support for the chimney and must be used at intervals not exceeding 3.0 metres beyond any load bearing support.



| Size | Short | Medium | Long |
|---------------|--------|--------|--------|
| A | 324mm | 395mm | 600mm |
| Code | XPWBES | XPWBEM | XPWBEL |
| Price (s/s) | £35.78 | £38.95 | £45.61 |
| Price (black) | £40.44 | £44.01 | £51.54 |

Universal roof support

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



| Diameter (Ø) | All |
|--------------|--------|
| Code | XPURSB |
| Price | £46.35 |

Guy wire bracket

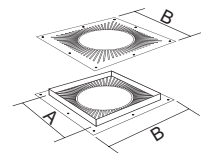
A clamping collar for the attachment of struts/supports



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| Code | XPGWB13 | XPGWB15 | XPGWB18 | XPGWB20 |
| Price (s/s) | £22.12 | £22.78 | £23.34 | £25.54 |
| Price (black) | £25.00 | £25.74 | £26.38 | £28.86 |

Ventilated fire stop

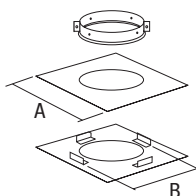
Used where the chimney passes through the upper combustible floors and where sections below the floor are enclosed within a non combustible shaft. This item is non load-bearing.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 281mm | 301mm | 331mm | 355mm |
| B | 379mm | 399mm | 429mm | 453mm |
| Code | XPFSP13 | XPFSP15 | XPFSP18 | XPFSP20 |
| Price (s/s) | £105.99 | £116.32 | £133.11 | £155.10 |
| Price (black) | £119.77 | £131.44 | £150.41 | £178.26 |

Ceiling support

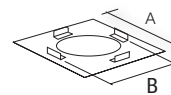
Provides a 50mm air gap clearance to a penetrated floor or ceiling and is only used where Excelsior Plus penetrates a non-combustible floor, and / or services a gas or oil fired appliance where the flue gas temperature does not exceed 250°C



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|------------|------------|------------|------------|
| A | 330mm | 355mm | 381mm | 406mm |
| B | 280mm | 305mm | 331mm | 356mm |
| Code | XPCSP13 | XPCSP15 | XPCSP18 | XPCSP20 |
| Price | £65.91 | £71.28 | £76.33 | £79.70 |

Fire stop spacer

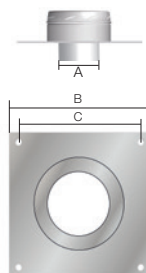
Used to provide location, fire and dust stopping where Excelsior Plus is used through non-combustible floors, and / or serves a gas or oil fired appliance where the flue gas temperatures does not exceed 250°C. This item is not load bearing.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|------------|------------|------------|------------|
| A | 330mm | 355mm | 381mm | 406mm |
| B | 280mm | 305mm | 331mm | 356mm |
| Code | XPFS13 | XPFS15 | XPFS18 | XPFS20 |
| Price | £16.35 | £18.98 | £20.39 | £20.84 |

Anchor plate

Designed to be used when connecting Excelsior Plus to a lintel or pre-cast chamber. A short section of liner projects a nominal 150mm through the bottom of the plate. Maximum Load: 13m

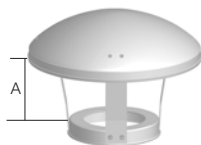


| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|------------|------------|------------|------------|
| A | 128mm | 153mm | 179mm | 204mm |
| B | 400mm | 400mm | 400mm | 400mm |
| C | 350mm | 350mm | 350mm | 350mm |
| Code | XPFC13 | XPFC15 | XPFC18 | XPFC20 |
| Price | £49.74 | £54.53 | £61.72 | £72.31 |

TERMINALS / ACCESSORIES

Rain cap

The Rain Cap offers a degree of protection from rain and is suitable for solid fuel and oil fired appliances.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 109mm | 95.5mm | 131mm | 122mm |
| Code | XPRC13 | XPRC15 | XPRC18 | XPRC20 |
| Price (s/s) | £54.51 | £59.59 | £69.83 | £79.07 |
| Price (black) | £61.60 | £67.34 | £78.91 | £89.35 |

Rain cap with Mesh

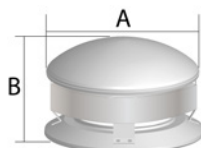
The rain cap with 1" mesh offers protection from rain and is suitable for solid fuel and oil fired appliances.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 109mm | 95.5mm | 131mm | 122mm |
| Code | XPRCM13 | XPRCM15 | XPRCM18 | XPRCM20 |
| Price (s/s) | £79.68 | £82.62 | £91.87 | £99.13 |
| Price (black) | £90.04 | £93.36 | £103.81 | £112.02 |

Round top cowl

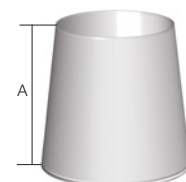
The Round Top terminal offers a greater degree of protection against driving rain and wind, recommended for exposed locations.



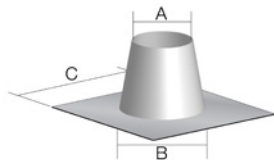
| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 300mm | 300mm | 358mm | 402mm |
| B | 159mm | 157mm | 189mm | 194mm |
| Code | XPRTC13 | XPRTC15 | XPRTC18 | XPRTC20 |
| Price (s/s) | £136.10 | £149.05 | £171.53 | £204.55 |
| Price (black) | £153.79 | £168.43 | £193.83 | £231.14 |

Top stub

The terminal offers the least resistance to flue gases and is ideal for solid fuel and oil fired appliances, providing there is drainage at the base of the chimney.

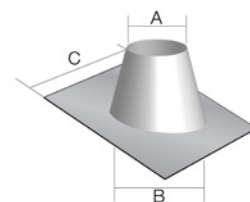


| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|------------|------------|------------|------------|
| A | 228mm | 228mm | 228mm | 228mm |
| Code | XPTS13 | XPTS15 | XPTS18 | XPTS20 |
| Price (s/s) | £61.66 | £65.40 | £72.66 | £84.27 |
| Price (black) | £69.67 | £73.90 | £82.10 | £95.23 |



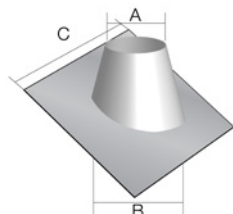
Flat flashing

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|---------------|---------------|---------------|---------------|
| A | 190mm | 210mm | 235mm | 260mm |
| B | 280mm | 300mm | 325mm | 350mm |
| C | 495mm | 495mm | 660mm | 660mm |
| Code | XPFF13 | XPFF15 | XPFF18 | XPFF20 |
| Price | £54.35 | £57.41 | £64.60 | £68.54 |



5° to 30° flashing

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|---------------|---------------|---------------|---------------|
| A | 190mm | 210mm | 235mm | 260mm |
| B | 280mm | 300mm | 325mm | 350mm |
| C | 495mm | 660mm | 660mm | 660mm |
| Code | XPSF13 | XPSF15 | XPSF18 | XPSF20 |
| Price | £54.35 | £57.41 | £64.60 | £68.54 |

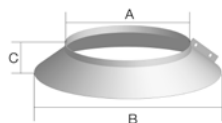


32° to 45° flashing

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|---------------|---------------|---------------|---------------|
| A | 190mm | 210mm | 235mm | 260mm |
| B | 375mm | 403mm | 440mm | 475mm |
| C | 660mm | 660mm | 820mm | 820mm |
| Code | XPLF13 | XPLF15 | XPLF18 | XPLF20 |
| Price | £64.60 | £68.63 | £88.80 | £92.85 |

Storm collar

Used to weather the top of the flashing, supplied with a tube of silicon sealant.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|---------------|---------------|---------------|---------------|
| A | 177mm | 202mm | 227mm | 252mm |
| B | 280mm | 301mm | 330mm | 351mm |
| C | 70mm | 70mm | 70mm | 70mm |
| Code | XPCS13 | XPCS15 | XPCS18 | XPCS20 |
| Price (s/s) | £20.97 | £22.42 | £25.62 | £27.18 |
| Price (black) | £23.70 | £25.33 | £28.95 | £30.70 |

Standard locking band

The locking band must be used on all joints and is included with each component having a female coupler.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|----------------|----------------|----------------|----------------|
| Code | XPCLB13 | XPCLB15 | XPCLB18 | XPCLB20 |
| Price (s/s) | £10.03 | £10.20 | £10.43 | £10.72 |
| Price (black) | £11.33 | £11.42 | £11.79 | £12.11 |

Screw toggle locking band

The screw-toggle locking band is provided as standard with the unbarbed female coupler on elbows and 135° tee branches.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|---------------|---------------|---------------|---------------|
| Code | XPLB13 | XPLB15 | XPLB18 | XPLB20 |
| Price (s/s) | £11.19 | £11.39 | £11.58 | £11.88 |
| Price (black) | £12.65 | £12.87 | £13.09 | £13.42 |

Trim collar

The trim collar is a polished stainless steel circular collar with a nominal 105mm wide circular flange. This item is used to offer an aesthetic closing ring where a chimney passes through an outside wall.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|---------------|---------------|---------------|---------------|
| Code | XPTP13 | XPTP15 | XPTP18 | XPTP20 |
| Price (s/s) | £19.50 | £19.70 | £20.20 | £22.40 |
| Price (black) | £22.04 | £22.20 | £22.83 | £25.31 |

45° trim plate

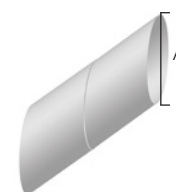
The wall cover ring is designed to offer an aesthetic trim around the chimney where it penetrates a wall at a 45° angle.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|----------------|----------------|----------------|----------------|
| Code | XPETP13 | XPETP15 | XPETP18 | XPETP20 |
| Price (s/s) | £21.30 | £23.94 | £25.25 | £28.00 |
| Price (black) | £24.10 | £27.05 | £28.54 | £31.64 |

Wall sleeve

Must be used where a 135° tee is used to pass the chimney through an external wall and thus providing a continuous, uninterrupted run through the wall. Provides 50mm clearance as standard. Adjustable for a wall thickness of 200mm - 380mm



Important: Once extended, the joint must be secured with self-tapping screws and covered around the circumference with a heat resistant foil duct tape.

| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|--------------|---------------|---------------|---------------|---------------|
| A | 280mm | 300mm | 330mm | 350mm |
| Code | XPWS13 | XPWS15 | XPWS18 | XPWS20 |
| Price | £55.07 | £82.38 | £104.16 | £107.64 |

Structural locking band

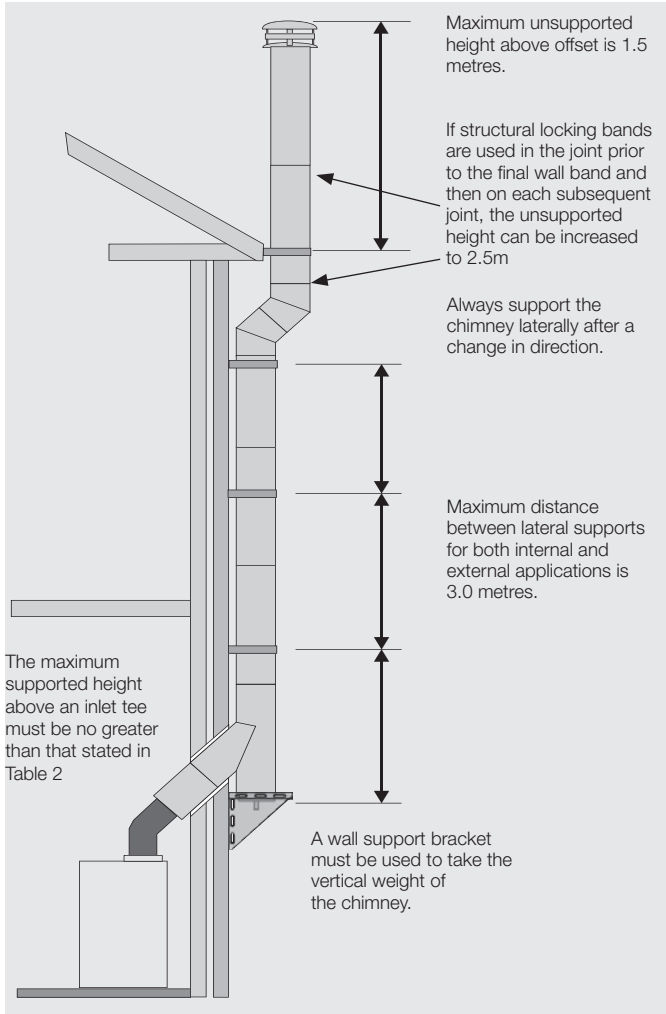
Required for added security on unsupported stacks up to 2.5m above the final support or wall band in accordance with the instructions on page 8.



| Diameter (Ø) | 127mm (5") | 152mm (6") | 178mm (7") | 203mm (8") |
|---------------|----------------|----------------|----------------|----------------|
| Code | XPSLB13 | XPSLB15 | XPSLB18 | XPSLB20 |
| Price (s/s) | £50.84 | £54.82 | £56.16 | £58.76 |
| Price (black) | £57.46 | £61.94 | £63.46 | £66.40 |

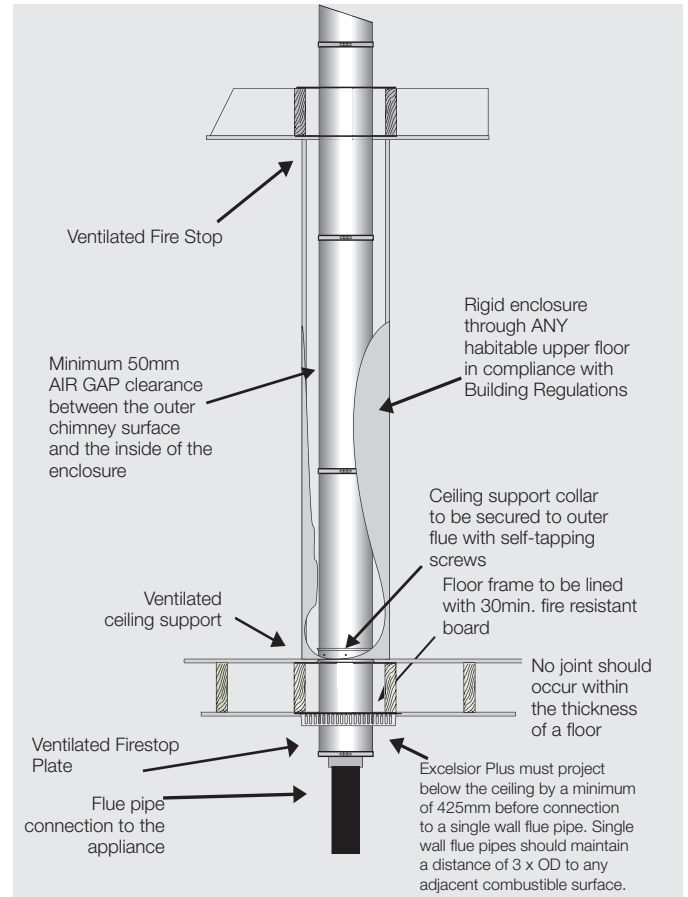
INSTALLATION

The illustration below shows a typical support arrangement for an external chimney. The vertical weight of the chimney is taken by a wall support bracket. A removable tee cap with drain (XPBKXX) is fitted to the underside of the wall support bracket which can be removed for sweeping and inspection. Wall bands (XPWBXX) are then installed every 3.0 metres to provide lateral support. It is essential that adequate bracing is provided directly before and after an offset or change in direction. It is important that adequate fixings are used throughout the chimney system to anchor support components to the structure, such as M10 rawl bolts etc.

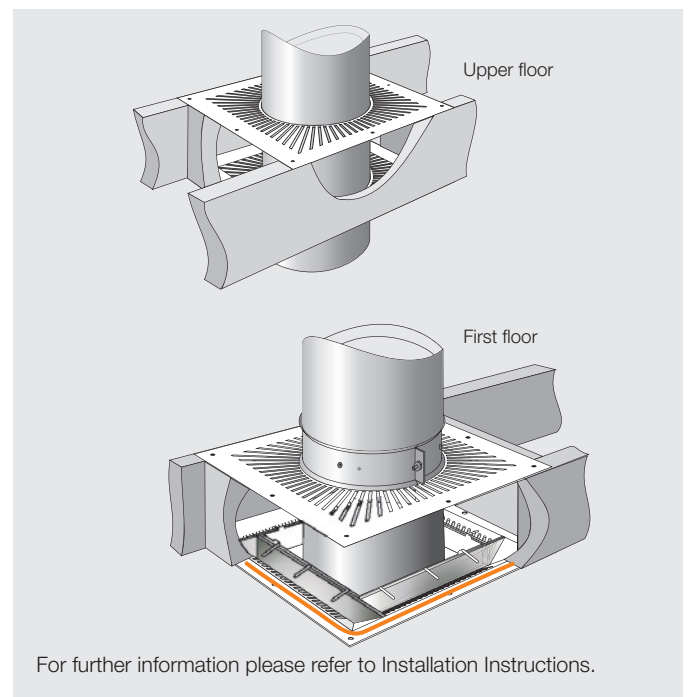


Combustible floor penetration (>250°C)

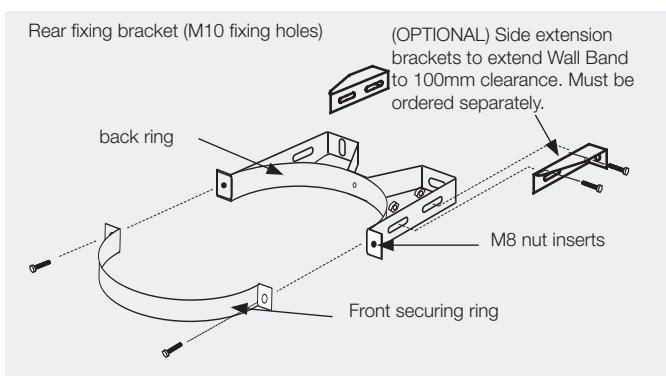
Where the chimney system is used with appliances producing flue gas temperatures exceeding 250°C, and where the chimney passes through a combustible floor, the following ventilated components MUST be used. All floor penetration components are designed to be secured to a pre-built frame construction and lined with a 30 minute fire resistant board to the dimension detailed in the table opposite.



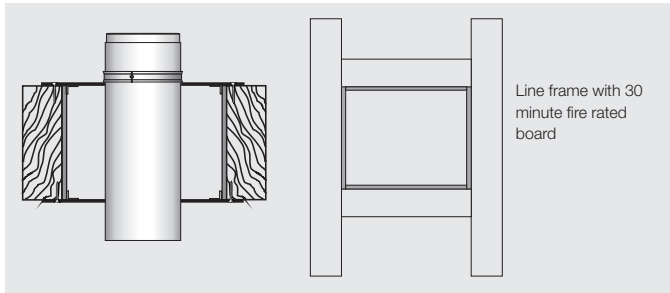
Basic installation diagram of ventilated ceiling support and ventilated firestop components



Wall Band Assembly



Ventilated Ceiling Support and Ventilated Firestop



Note: The fire rated board is required under the test conditions of BS 476: Part 20 where the chimney passes through a representative combustible floor. The purpose is to protect the ceiling void from the effects of radiated heat from the outer case of the chimney where the chimney below the ceiling is engulfed in fire.

Framing data and dimensions

| Chimney Size | 127 | 152 | 178 | 203 |
|--------------|-----|-----|-----|-----|
| 'A' Square* | 281 | 301 | 331 | 351 |

* The above dimension does not allow for 30 minute fire rated lining, adjust according to thickness used.

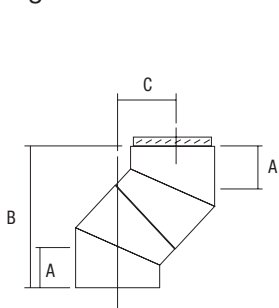
Elbow offset dimensions

This data relates to just two elbows used to form an offset as shown in Fig. 2. It also indicates the installed length of the elbow segments. Data is also provided where standard lengths are also incorporated within the offset, see Fig. 3.

15°

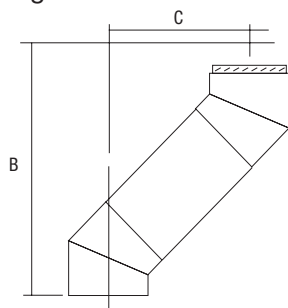
| Ø | 15° | | | 30° | | | 45° | | |
|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|
| | A | B | C | A | B | C | A | B | C |
| 127 | 87 | 342 | 45 | 87 | 325 | 87 | 87 | 297 | 123 |
| 152 | 92 | 362 | 48 | 92 | 343 | 92 | 92 | 314 | 130 |
| 178 | 97 | 381 | 50 | 97 | 362 | 97 | 97 | 331 | 137 |
| 203 | 102 | 401 | 53 | 102 | 380 | 102 | 102 | 348 | 144 |

Fig. 2



Elbows are not loadbearing. Vertical runs after changes of direction should be re-supported appropriately.

Fig. 3



| Ø | 120mm length | | | | | | 300mm length | | | | | |
|-----|--------------|----|-----|-----|-----|-----|--------------|-----|-----|-----|-----|-----|
| | 15° | | 30° | | 45° | | 15° | | 30° | | 45° | |
| | B | C | B | C | B | C | B | C | B | C | B | C |
| 127 | 457 | 76 | 429 | 147 | 382 | 208 | 631 | 123 | 584 | 237 | 509 | 335 |
| 152 | 478 | 79 | 447 | 152 | 399 | 215 | 651 | 125 | 603 | 242 | 526 | 342 |
| 178 | 497 | 81 | 466 | 157 | 416 | 222 | 671 | 128 | 621 | 247 | 543 | 349 |
| 203 | 516 | 84 | 485 | 162 | 433 | 229 | 690 | 130 | 640 | 252 | 560 | 356 |

| Ø | 500mm length | | | | | | 1000mm length | | | | | |
|-----|--------------|-----|-----|-----|-----|-----|---------------|-----|------|-----|------|-----|
| | 15° | | 30° | | 45° | | 15° | | 30° | | 45° | |
| | B | C | B | C | B | C | B | C | B | C | B | C |
| 127 | 825 | 174 | 758 | 337 | 651 | 476 | 1308 | 304 | 1191 | 587 | 1004 | 830 |
| 152 | 844 | 177 | 776 | 342 | 668 | 484 | 1328 | 306 | 1209 | 592 | 1021 | 837 |
| 178 | 864 | 180 | 795 | 347 | 685 | 491 | 1347 | 309 | 1228 | 597 | 1038 | 844 |
| 203 | 884 | 182 | 814 | 352 | 702 | 498 | 1367 | 312 | 1247 | 602 | 1055 | 851 |

General installation guidelines

The installation of the Excelsior Plus product must be in accordance with local building regulations and associated National Standards and Codes of Practice.

For additional guidance, reference can be made to BS EN 15287-1: Chimneys- Design, installation & commissioning of chimneys. Chimneys for non-room-sealed heating appliances The National Annex NA of EN 15287-1 will detail the national requirements for the particular country.

Every chimney section and fitting shall be used as manufactured for assembly on site without any alteration or cutting. Components are joined with a multi barbed twist lock coupler and secured with a locking band. The only exception are elbows, which are designed to allow full rotation of the component and therefore do not have locking barbs on the female end. All components must be installed with the male coupler facing up.

Excelsior Plus is suitable for both internal and external applications. No part of the chimney system should be constructed to form an angle greater than 45° from the vertical.

Although components are included that will permit horizontal application, they should only be used for connection to the appliance.

Offsets can be constructed using elbows, lengths and adjustable components available within the system. For full details regarding offset dimensions and heights for various elbow/length combinations see tables opposite. According to building regulations: If bends are necessary there must be no more than four in the length of the chimney. The angle of the bend should be no greater than 45° from the vertical, with the exception that 90° factory made bends or tees may be treated as being equal to two 45° bends.

Where an offset is used, the length of chimney between the two elbows **MUST NOT** exceed 20% of the total vertical length of the chimney.

Where serving solid fuel or oil appliances, any part of the chimney which passes through any room other than that in which the appliance using the chimney is situated, should be protected to prevent damage and accidental location of combustible material against the outer skin. It is a building regulation requirement that ANY factory made insulated chimney should be enclosed where passing through a cupboard, storage space or accessible roof space.

Where used with solid fuel or oil appliances producing flue gas temperatures exceeding 250°C, the clearance at floor / ceiling joists must be established using the ventilated ceiling support and ventilated firestop components. When connecting to a single wall connecting flue or vitreous pipe, at least 425mm of Excelsior Plus must project below the appliance room ceiling before connection is made.

Under no circumstances must there be a joint within the thickness of any floor space. Where passing through a cavity wall a wall sleeve must be used and finished with a suitable trim plate / cover ring.

The internal diameter of the chimney must conform to the requirements of the appliance manufacturers instructions and should not, under any circumstances, be less than the diameter of the appliance outlet unless operational requirements of the appliance can be demonstrated by calculations to BS EN 13384-1

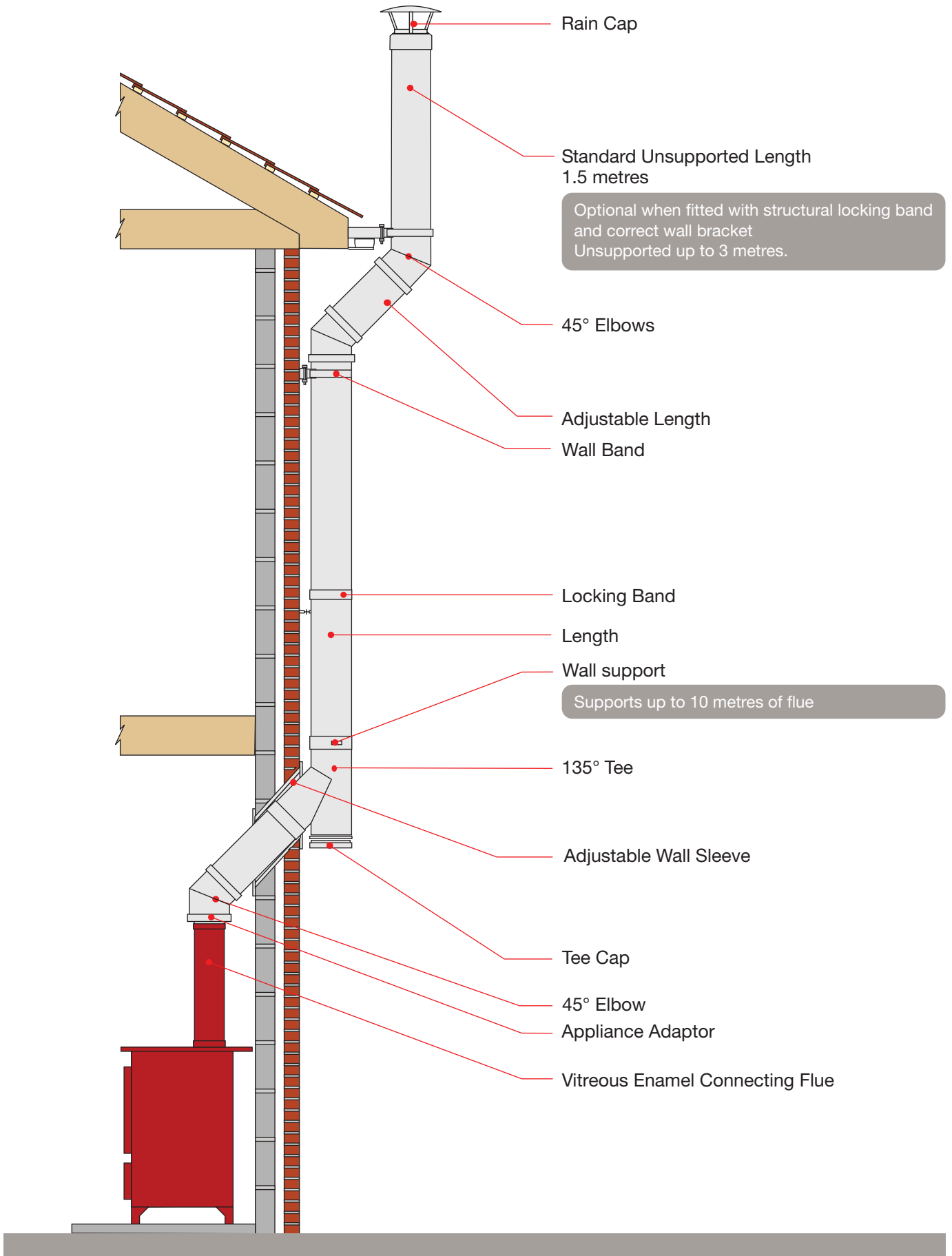
The height of the chimney will depend on the building structure, however a height of 4.5 metres from the top of the appliance outlet to termination is considered the minimum for solid fuel. To prevent excessive cooling of the flue gases when connecting a single wall flue pipe from the stove to the Excelsior Plus chimney, we recommend that the length of the single wall pipe is no more than 2.0 metres within the 4.5 metre height recommendation under Building Regulations.

Adjustable Lengths

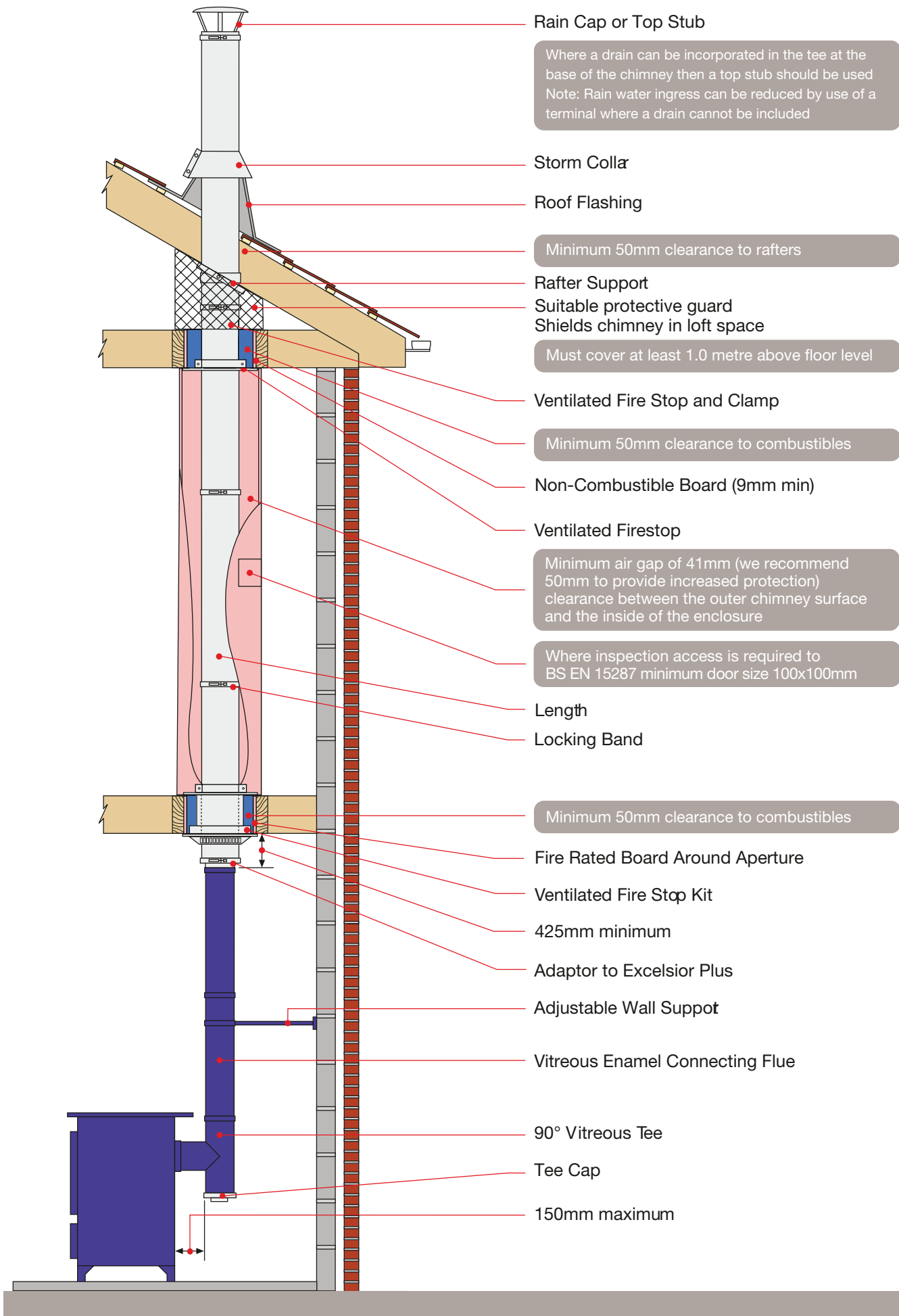
Each Adjustable Length is supplied in two halves together with an insulation pack. Depending on the required finished length of the component, additional insulation is added to the annulus of the top section. The top section is then slid over the bottom section and the component installed. Self-tapping screws are then used to secure the overlapping sections.

The Adjustable Length does NOT load bear. Always use a Wall Support Assembly immediately above this component when vertically applied. Adjustable Lengths should maintain a clearance of at least 300mm to combustible materials.

INSTALLATION - EXTERNAL APPLICATION



INSTALLATION - INTERNAL APPLICATION



Rain Cap or Top Stub

Where a drain can be incorporated in the tee at the base of the chimney then a top stub should be used
 Note: Rain water ingress can be reduced by use of a terminal where a drain cannot be included

Storm Collar

Roof Flashing

Minimum 50mm clearance to rafters

Rafter Support

Suitable protective guard
 Shields chimney in loft space

Must cover at least 1.0 metre above floor level

Ventilated Fire Stop and Clamp

Minimum 50mm clearance to combustibles

Non-Combustible Board (9mm min)

Ventilated Firestop

Minimum air gap of 41mm (we recommend 50mm to provide increased protection) clearance between the outer chimney surface and the inside of the enclosure

Where inspection access is required to BS EN 15287 minimum door size 100x100mm

Length

Locking Band

Minimum 50mm clearance to combustibles

Fire Rated Board Around Aperture

Ventilated Fire Stop Kit

425mm minimum

Adaptor to Excelsior Plus

Adjustable Wall Support

Vitreous Enamel Connecting Flue

90° Vitreous Tee

Tee Cap

150mm maximum

Twin wall chimney systems
Excelsior Plus

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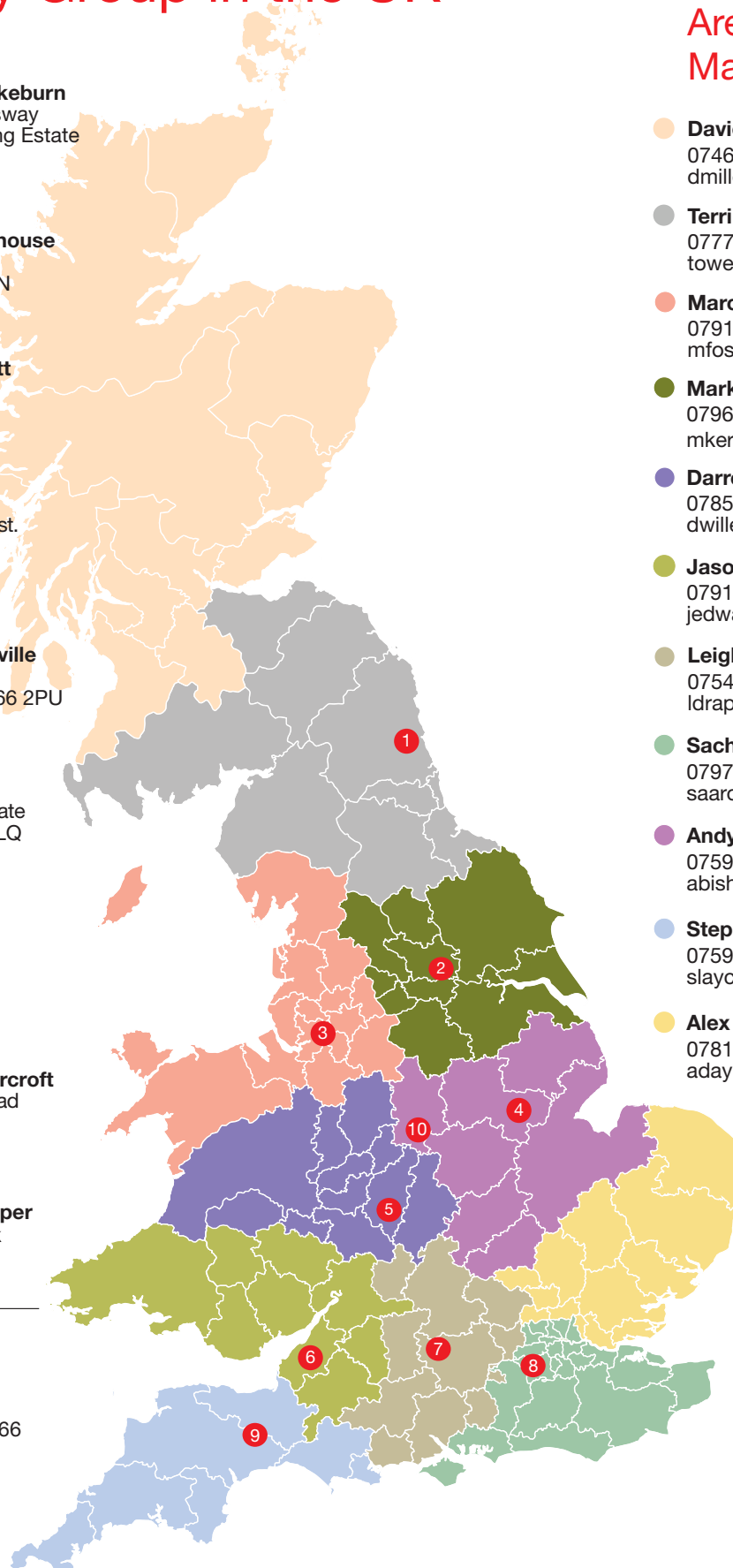
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