



SECONDARY
HEATING

SCHIEDEL

Ceramic Chimney Liners

The cost effective way for housebuilders to add a safe chimney to their developments and reduce gas bills



www.schiedel.com/uk

SAP 940003679 - September 2022

Ceramic Flue Liners



Resistant to temperature change

The liners are extremely durable and have been tested for resistance to soot fire as well as to condensate, and meet the latest CE standards and Construction Product Regulation (CPR).



Cost effective and reduces gas heating bills

Ideal for homes where you require a cost effective, safe and easy to construct system. Usage of a log burning stove reduces the need to heat homes with radiators, therefore less reliance on increasing gas heating bills.



Lightweight

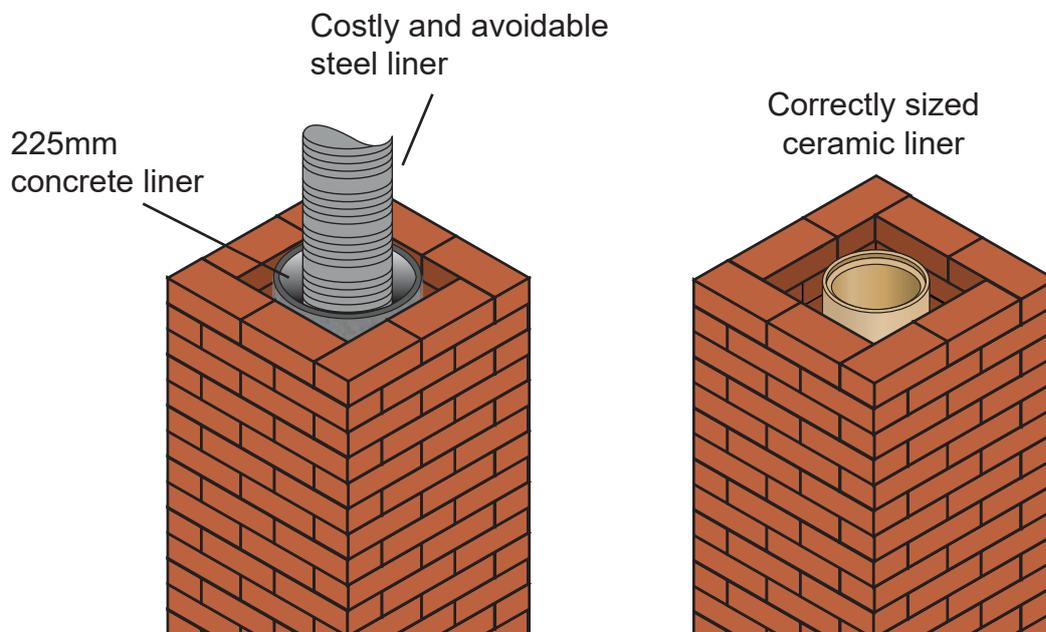
Due to advanced manufacturing techniques, we have been able to reduce the wall thickness of the liner to produce the optimal lightweight but extremely robust product which is natural and environmentally friendly.

Other great features of using ceramic liners:

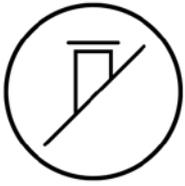
- Suitable for all fuels – gas, oil, solid fuels and biomass fuels.
- Wide range of accessories to suit numerous installations.
- Suitable for high temperature and low temperature applications.
- Full compliance to the latest CE standards and Construction Products Regulations (CPR).

Using correctly sized liners for new chimneys

- Flexible flue liners should be used only to RELINE a chimney and should not be used in a new chimney, which means that ceramic is a cost effective and legal solution.



Ceramic Flue Liners

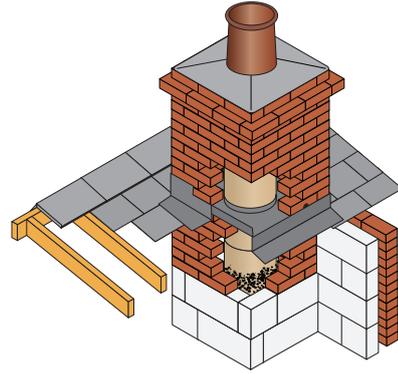


Chimney pots

Schiedel Chimney Systems provide a high performance chimney pot to finish any building.

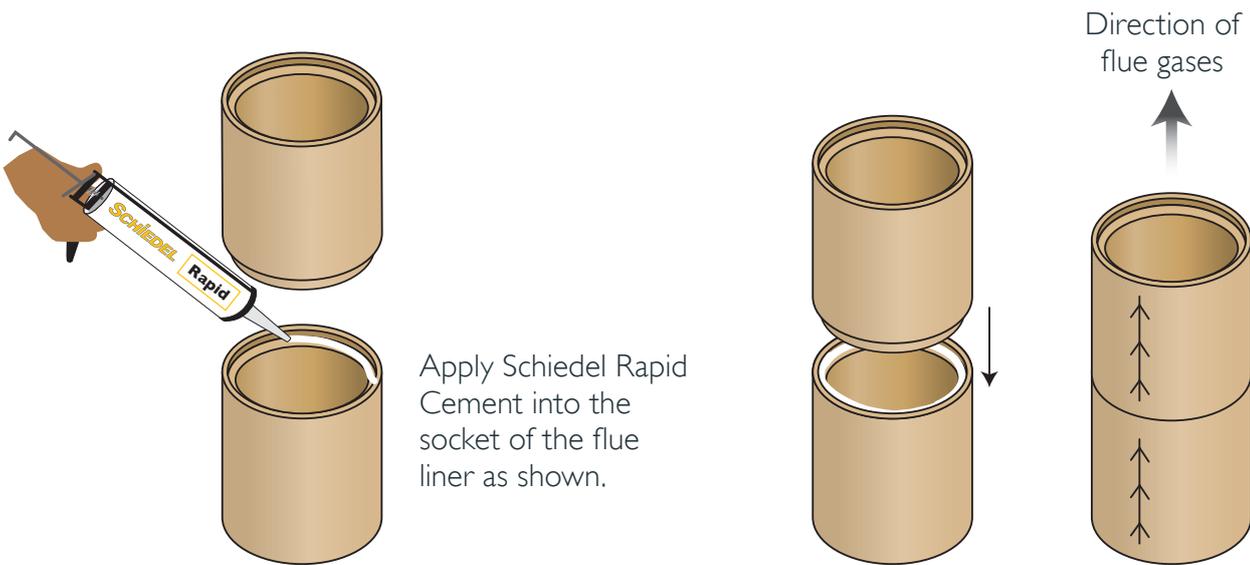
Available in Buff or Terracotta – a chimney pot can add a decorative charm and appeal to an otherwise ordinary chimney stack.

Manufactured in accordance with BS EN 13502 : 2002.



Joint detail

- Liners are installed with the male spigot pointing downwards.
- Sealant should be applied to the inside of the socket uppermost and any excess projecting into the flue should be wiped off as installation progresses.

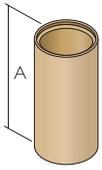


Approvals **CE** Schiedel Ceramic Liners are CE Certified to EN 1457-1 & 2 TÜV 0780 CPD 131086 with the following designations:

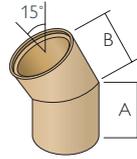
High Temperature Applications	Low Temperature Applications
EN 1457-1 A1 N1 (T600 N1 G)	EN 1457-2 B4 N1 (T400 N1 WC O) D4 N1 (T200 N1 WC O)*

* When used on T200 rated low temperature systems, the liner system should be straight and fully ventilated.

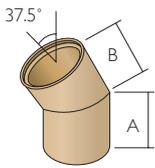
Liners



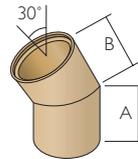
Liner				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	330	330	330	
Weight	5.8	6.3	7.1	
Pallet Qty	125	100	75	
SAP Code	100374	100375	100376	



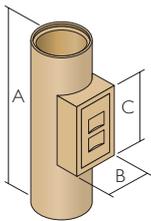
15° Bend				
Int Ømm	160	180	200	
Ext Ø	190	-	230	
A	178.6	-	178.6	
B	178.6	-	178.6	
Weight	-	-	6.91	
SAP Code	131856	-	133899	



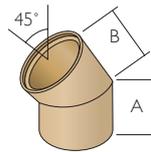
37.5° Bend				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	194	199	202	
B	196	199	202	
Weight	5.8	6.3	7.1	
SAP Code	121334	121335	121336	



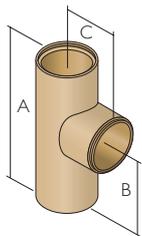
30° Bend				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	189	192	194	
B	189	192	194	
Weight	5.8	6.3	7.1	
SAP Code	131625	131626	131627	



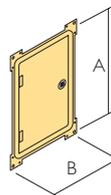
Inspection Pipe with Inner Soot Door				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	660	660	660	
B	165	165	165	
C	295	295	295	
Weight	14	15	17	
SAP Code	100428	100429	100430	



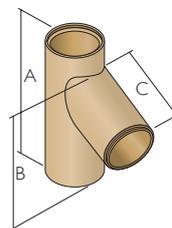
45° Bend				
Int Ømm	160	180	200	
Ext Ø	190	-	230	
A	203	-	211	
B	203	-	211	
Weight	5.8	-	7.1	
SAP Code	131622	-	131624	



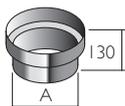
90° Tee Liner				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	660	660	660	
B	331	331	331	
C	175	190	195	
Weight	14	15	16	
SAP Code	100420	100421	100422	



Outer Soot Door				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	400	400	400	
B	250	250	250	
SAP Code	100475	100475	100475	



135° Tee Liner				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
A	660	660	660	
B	463	481	497	
C	311	326	357	
Weight	16	18	19	
SAP Code	100424	100425	100426	

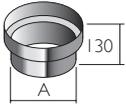


Adaptor from Steel to Ceramic T Liner				
Int Ømm	160	180	200	
Ext Ø	190	210	230	
Ø Steel (A)	150	175	200	
SAP Code	132667	132668	132669	



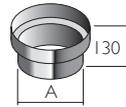
Steel collars (for cut joints)				
Int Ømm	160	180	200	
SAP Code	158122	-	158123	

Components



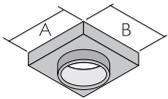
Adaptor from Steel to Support Block

Int Ømm	160	180	200
Ext Ø	190	210	230
Ø Steel (A)	150	175	200
SAP Code	126373	126499	127691



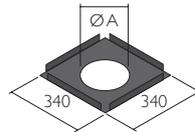
Increasing Adaptor from Steel to Support Block (with rope)

Int Ømm	160	180	200
Ext Ø	190	210	230
Ø Steel (A)	125	150	150
SAP Code	126357	126493	127671



Support Blocks

Int Ømm	160	180	200
Ext Ø	190	210	230
Weight	7	8	8
SAP Code	126366	126483	127340



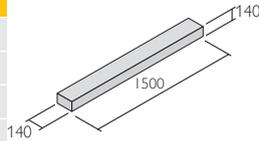
Support Plate

Int Ømm	160	180	200
Ext Ø	340	360	360
SAP Code	127694	128549	128549



Support Lintel

Size mm	100 x 65
Length mm	600
Weight kg	9
SAP Code	169330



Support Lintel

Size mm	140x140
Length mm	1500
Weight kg	71
SAP Code	146431

Lintels are used in pairs to support the weight of the support block and liners as an alternative to a cast slab. On a clear span of up to 1.2m a load of up to 3250Kg can be supported.



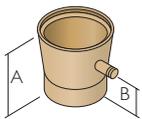
Rapid High Temperature Joint Sealant

Size ml	310
SAP Code	100020



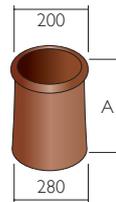
Light Expanded Clay Aggregate Backfill Insulation (50 litre)

Size m ³	0.05
Weight kg	19
SAP Code	130769



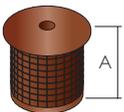
Base Stone with Drain

Int Ømm	160	180	200
A	170	170	170
B	70	70	70
SAP Code	102984	102685	10686



Chimney Pot (Buff and Terracotta options)

Int Ømm	150	200
A	450	450
SAP Code Buff	126370	130697
SAP Code T'cotta	126371	127341



Topguard (Buff and Terracotta options)

Int Ømm	150-250
A	300
SAP Code Buff	130742
SAP Code T'cotta	130737



Chimney Notice Plate

SAP Code	130696
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Typical liner installation detail

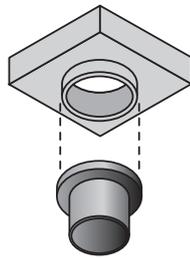
Construction begins by providing a suitable foundation and constructional hearth in accordance with Building Regulations and site requirements.

STOVE IN RECESS OPTION

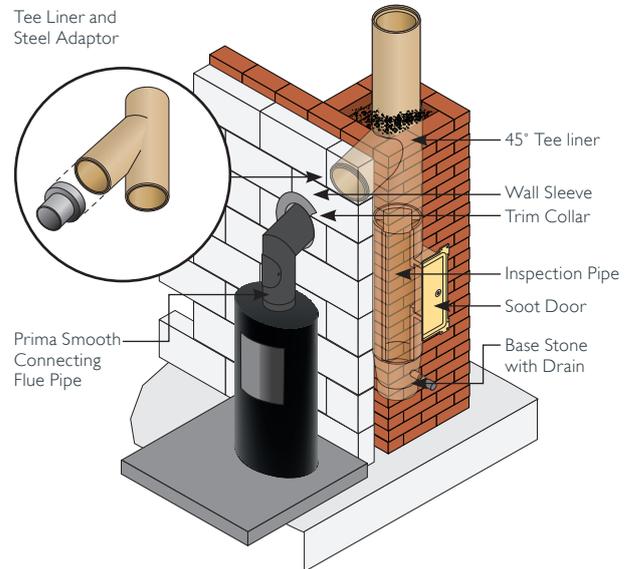
Our pre stressed lintels can be installed above the fireplace recess, for this method a support plate is required under the support block.

Alternatively a suitable cast-in-situ concrete slab lintel can be created above the fireplace recess. (See our standard drawings for hole size depending on diameter of chosen flue).

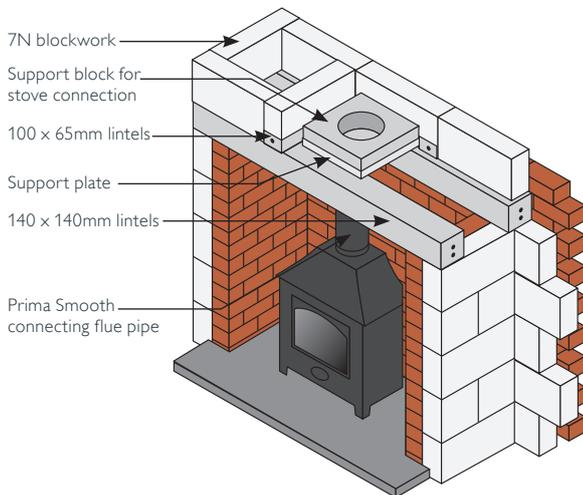
The support block is bedded onto the slab lintel using weak mix mortar. A stainless steel adaptor is used to connect from the support block to the stove flue pipe. This adaptor is pushed up onto the support block spigot (fibre rope should be used to create a seal). It is recommended to have a minimum of 600mm length of flue pipe before connecting to the chimney.



FREE STANDING STOVE OPTION



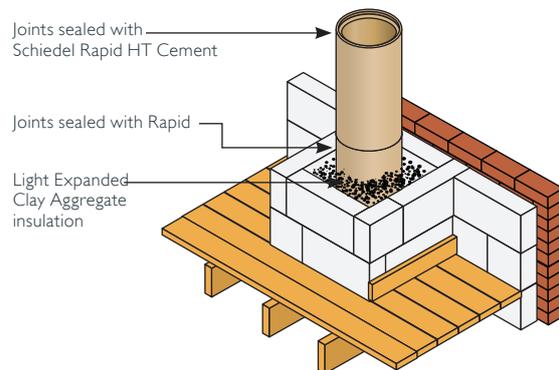
STOVE IN RECESS OPTION



ALL OPTIONS

Apply Schiedel Rapid Cement onto the male rebate of the flue liner.

Position the flue liner on a suitably formed fire gather or support block with the female rebate facing upwards. Arrows on each flue liner indicate the directional flow of flue gases. Continue to apply high temperature cement to each flue liner, cleaning any access material from the joints.



FREE STANDING STOVE OPTION

A soot door must be provided below the flue pipe entry to allow for inspection and removal of soot and debris. A suitable wall sleeve is to be used to seal the cavity wall. Any combustible insulation within the wall must be kept away from the single skin connecting flue pipe by at least 1.5 x its diameter.

(Example: diameter 150mm x 1.5 = 225mm distance).

The flue pipe is a push fit over the spigot on the adaptor. Seal off the gap between the flue pipe and wall sleeve with fire proof rope and closing plate.

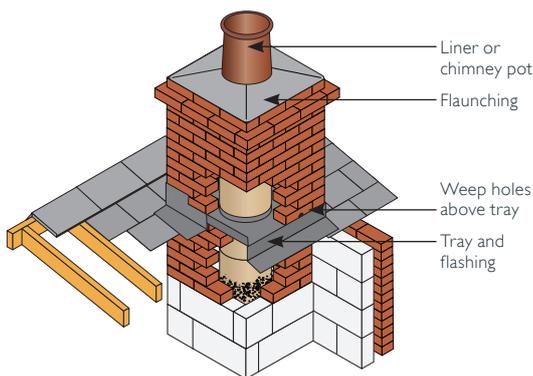
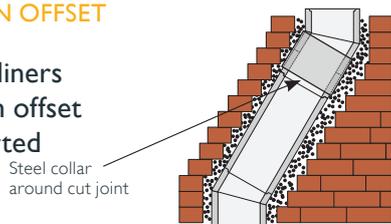
Clad the flue liners with a minimum of 100mm suitable masonry. A minimum of 15mm light expanded clay aggregate must be installed between the flue liners and masonry. Mix 20 parts light expanded clay aggregate to 1 Part cement and a small amount of water. Ensure it is well mixed before using. (refer to table on page 3)

Installation detail

If Bends are required in the chimney make sure adequate support is provided and always backfill with light expanded clay aggregate insulation mix. Liners can be cut between bends to achieve a required offset distance. A steel collar as well as high temperature cement must be used for any cut joints. A maximum of 2 complete offsets (4 bends) are allowed per chimney and the angle must not be greater than 45° from the vertical.

SUPPORTING AN OFFSET

The bends and liners that make up an offset must be supported adequately



You must provide adequate clearance from combustible material in accordance with local Building Regulations. Combustible materials must be 200mm from the inner surface of flue liner or 40mm from the outside of the masonry chimney unless it is a floorboard, skirting board, dado or picture rail, mantel-shelf or architrave.

Fit appropriate lead dpc's and flashings in accordance with the relevant regulations. It is recommend that the lead tray should be dressed up the outside of the flue liners to avoid a weak joint. Weep holes should be provided above the tray for moisture drainage.

Terminate the chimney to the correct height in accordance with local Building Regulations. The chimney can be finished by flaunching (1:3 cement/sharp sand) around a suitable chimney pot. Approved rain caps can be used to help prevent water entering the flue.

AFTER COMPLETION

After installation is complete tests and checks should be carried out in accordance with local Building Regulations. A chimney notice plate must be completed and permanently fixed in the dwelling, ideally near the electrical consumer unit. The checklist and notice plate are available from Schiedel.

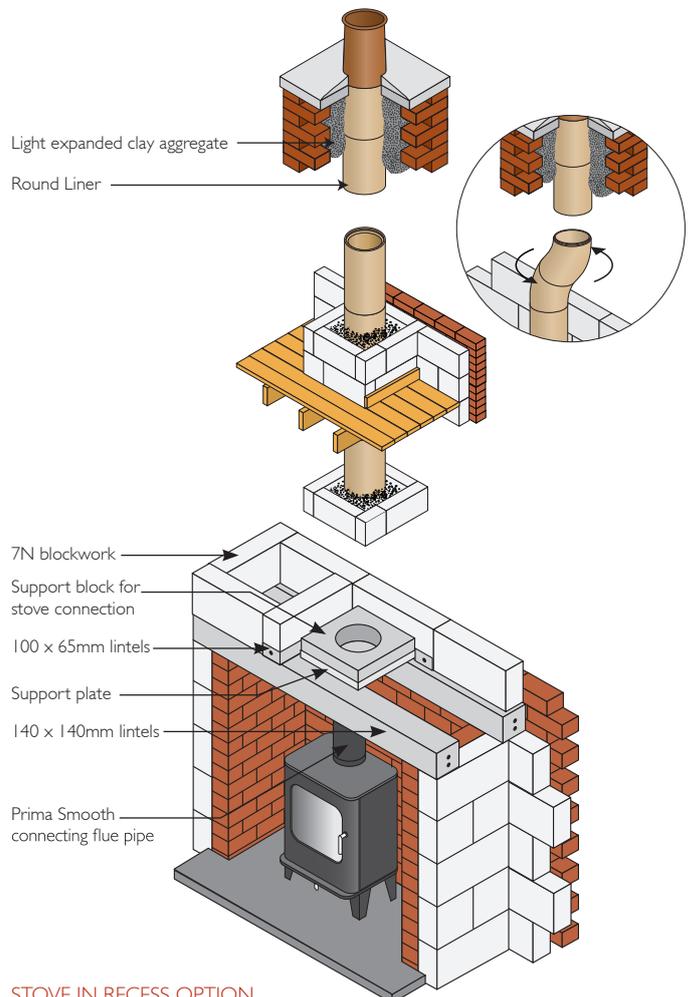
USE AND MAINTENANCE

The chimney should be swept at least twice a year, once before the heating season and once after the heating season. You may need to sweep during the heating season depending upon use.

Schiedel do not recommend the use of power sweeping brushes as they can cause damage to the flue.

Always follow the appliance manufacturer's operating instructions. Always burn approved fuels or dry seasoned wood. Avoid burning unseasoned wood and slow burning of solid fuels as this can produce excessive soot and condensation which can in turn cause soot fires and damage. If correctly installed, operated and maintained these systems should last the life of the dwelling.

STOVE IN RECESS OPTION



STOVE IN RECESS OPTION

Usage of ceramic sealant & light expanded clay aggregate

LIGHT EXPANDED CLAY AGGREGATE INSULATION REQUIREMENT FOR BACKFILL

Int Ø mm	Ext Ø mm	Chimney void (mm)	Chimney void (inches)	Bags (per linear metre)
160	190	235 × 235	9" × 9"	0.48
160	190	235 × 350	9" × 14"	1.02
160	190	350 × 350	14" × 14"	1.82
180	210	235 × 235	9" × 9"	1.08
180	210	235 × 350	9" × 14"	1.62
180	210	350 × 350	14" × 14"	2.42
200	230	350 × 350	14" × 14"	2.15
200	230	350 × 460	14" × 18"	2.49
200	230	460 × 460	18" × 18"	4.20

RAPID HT CEMENT USAGE



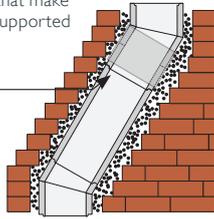
Int Ø mm	No. joints per tube
160	9
180	7
200	6

Offsets

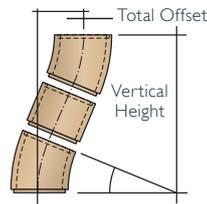
SUPPORTING AN OFFSET

The bends and liners that make up an offset must be supported adequately

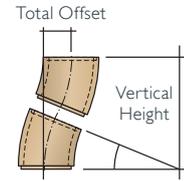
Steel collar around cut joint



OFFSET WITH 2 BENDS & LINER



OFFSET WITH 2 BENDS



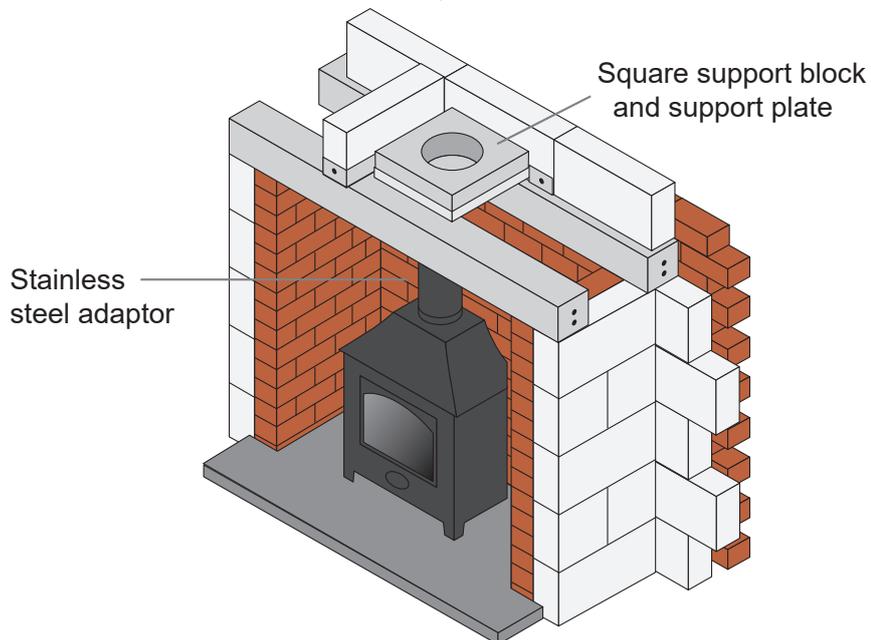
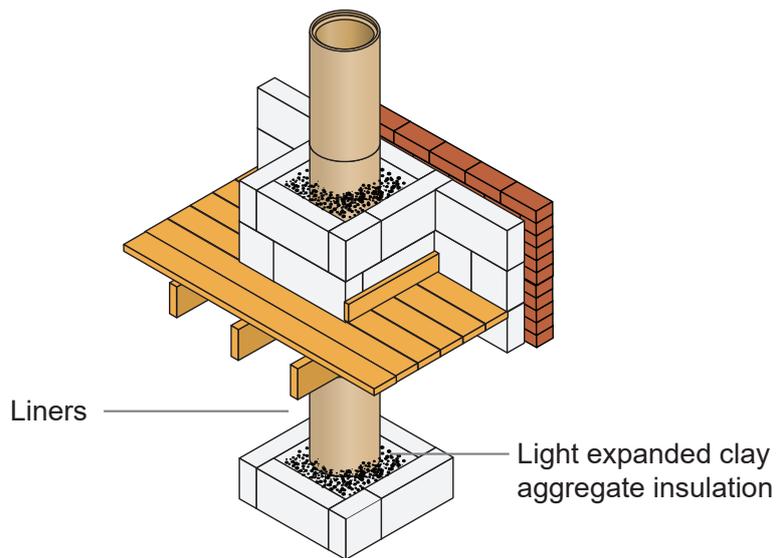
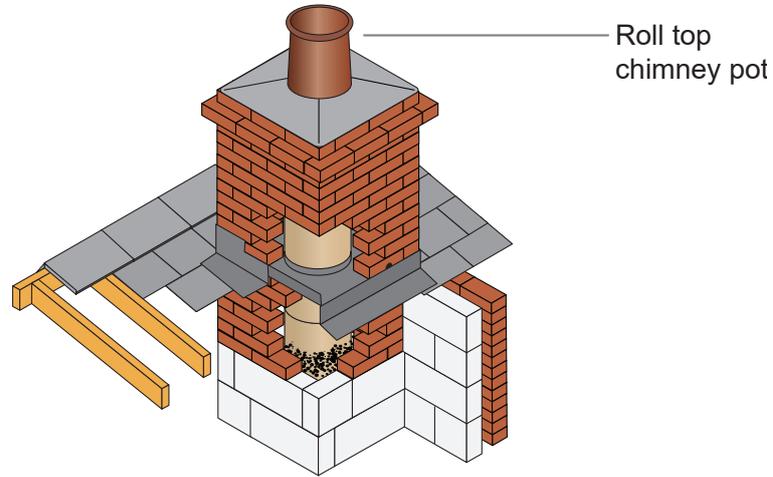
Diameter (mm)	Bends 15°	Length 330 mm	Total height	Total offset
160	2	0	639	84
160	2	1	956	169
180	2	0	639	84
180	2	1	956	169
200	2	0	639	84
200	2	1	956	169

Diameter (mm)	Bends 30°	Length 330 mm	Total height	Total offset
160	2	0	612	164
160	2	1	899	330
180	2	0	612	164
180	2	1	899	330
200	2	0	612	164
200	2	1	899	330

Diameter (mm)	Bends 37.5°	Length 330 mm	Total height	Total offset
160	2	0	588	200
160	2	1	851	402
180	2	0	588	200
180	2	1	851	402
200	2	0	588	200
200	2	1	851	402

Diameter (mm)	Bends 45°	Length 330 mm	Total height	Total offset
160	2	0	559	232
160	2	1	794	466
180	2	0	559	232
180	2	1	794	466
200	2	0	559	232
200	2	1	794	466

Ready made ceramic flue packages for housebuilders

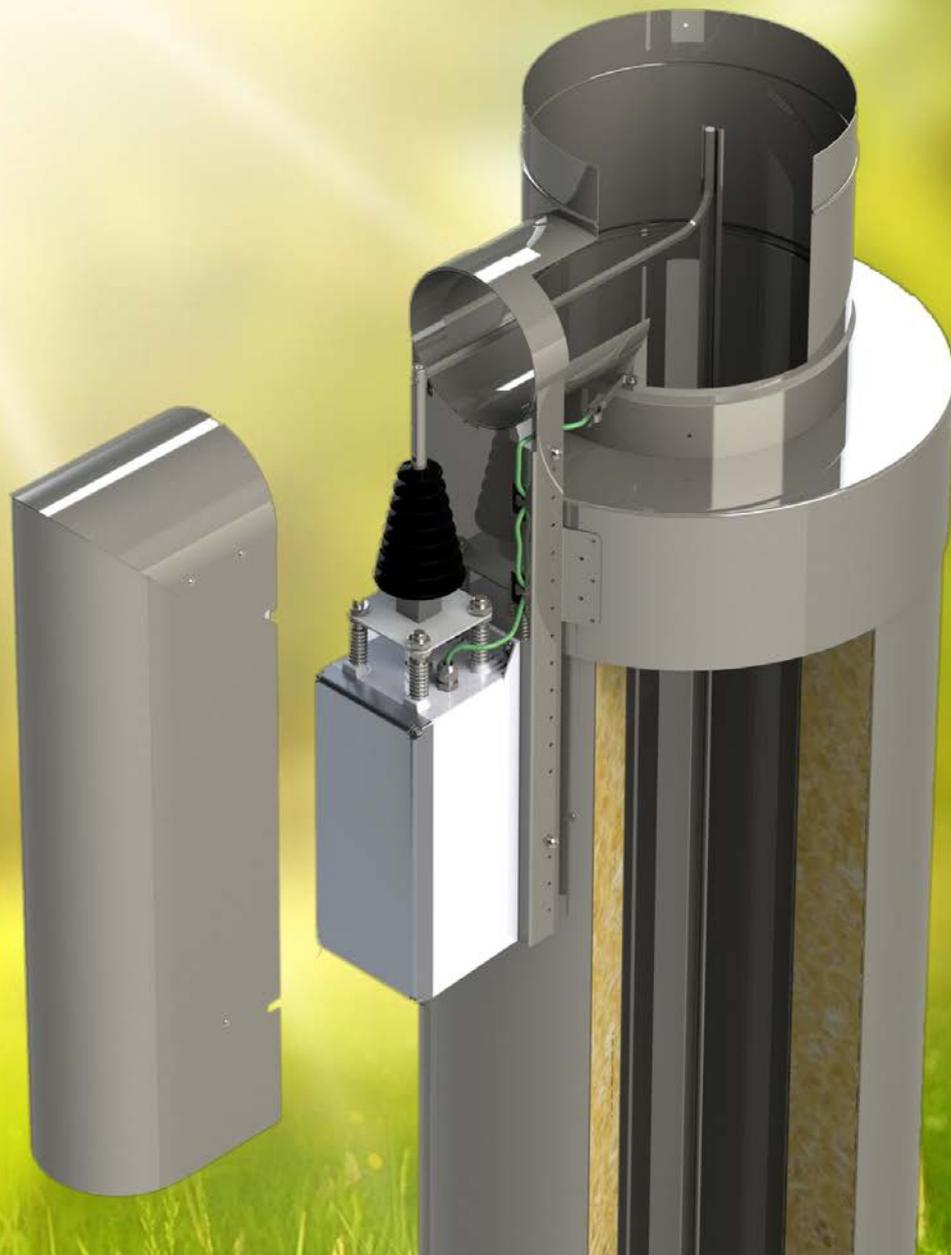


Installation detail

Ceramic chimney package designed for a two storey installation

- We can devise ready made packages with all components included for any house styles.
- This is a very cost effective way of building a chimney, due to our rapid turnaround and delivery options on site.

CODE	PRODUCT	QTY
126373	150mm diameter stainless steel adaptor	1
127694	340mm square support plate (210mm i/d)	1
126366	150mm i/d 310mm square support block	1
100374	160mm i/d 330mm high ceramic liner	22
100020	Rapid high temp sealant 310ml tube	3
130769	50ltr bag of light expanded insulation	13
127714	225mm i/d x 450mm terracotta high roll top pot	1
130737	Terracotta with steel topguard	1
130696	Chimney notice plate	1



Schiedel ePURO is the fine dust filter for wood burning appliances. It's electrostatic fine dust separator effectively reduces flue gas particles up to 95%.

SCHIEDEL

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SCHIEDEL INSTALLER REWARDS

Exciting news from Schiedel Chimney Systems!
Whenever you register an installation with our
easy to use, online guarantee registration portal,
you will now accrue points based on the number
of installations and installation type to redeem for
Love2Shop vouchers!



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INDUSTRIES COMPANY