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## Prima Smooth

Single wall stainless steel connecting flue pipe and chimney liner for wood and multi-fuel appliances



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SAP 940002243 - Updated 19 January 2024

# Product description

Prima Smooth is the new high quality 316L grade stainless steel single wall flue system available with two wall thickness options of 0.6mm and 1mm. There are two possible applications:

## 1. CONNECTING FLUE PIPE

Prima Smooth has been tested and approved for use as connecting flue pipe between an appliance and a system chimney.

## 2. CHIMNEY LINER

Prima Smooth has been tested and approved for use as an alternative to a flexible stainless steel liner for re-lining an existing chimney.

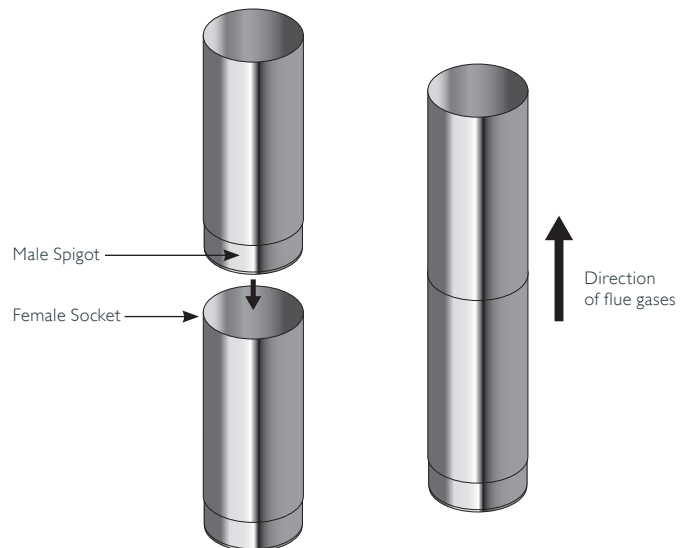
Prima Smooth is a lightweight precision engineered product, designed for use on atmospheric wood burning and multi-fuel appliances with continuous operating temperatures of up to 600°C. The joints in the pipe are designed to give a smooth visual appearance and Prima Smooth is available in two surface finishes:

- Matt 316L grade stainless steel.
- Matt black painted 316L grade stainless steel using a special high temperature resistant paint.

# Joint detail

## PRODUCT FEATURES

- 316L Grade Stainless Steel
- Corrosion tested
- Lightweight
- Precision engineered jointing system
- Available in matt black or steel finish
- Can be painted
- Range Ø125, 150, 180, 200



# Approvals

## CONNECTING FLUE PIPE

PRIMA SMOOTH is CE Certified to EN1856-2 TÜV 0036 CPR 9195 029 with designations:

<b>T600 N1 W V2 L50060 GXX NM</b>	High temperature applications (XX = 3 × Ø Int. of Pipe)
<b>T600 N1 W V2 L50100 GXX NM</b>	

## CHIMNEY LINER

PRIMA SMOOTH is CE Certified to EN1856-2 TÜV 0036 CPR 9195 033 with designations:

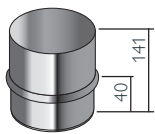
<b>T600 N1 D V2 L50060 G</b>	High temperature applications
<b>T600 N1 D V2 L50100 G</b>	

## NOTES

- The Prima Smooth range is manufactured under the strict requirements of BS EN ISO 9001 Quality management scheme.
- Prima Smooth has corrosion certification from TÜV. Prima Smooth is listed by HETAS as a product suitable for solid fuel.

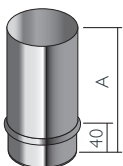


# Starting components



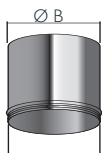
## Appliance connector

Int Ømm Prima Smooth		125	150	150
Appliance Spigot mm		123	148	153
SAP Code Painted	0.6mm	125359	COA	126253
SAP Code Unpainted	0.6mm	COA	125365	COA
	1mm	125362	125366	126256



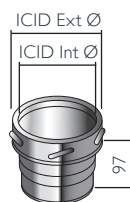
## Swaged starter pipes

Int Ømm Prima Smooth		125	150	180
Appliance Spigot mm		123	148	178
SAP Code Unpainted A 1000	1mm	133956	133959	133965
SAP Code Unpainted A 500	1mm	133957	133960	133966
SAP Code Unpainted A 250	1mm	133958	133961	133967



## Swaged starter pipe with locator bead

Int Ømm Prima Smooth	125	150
A	122	147
B	131	156
SAP Code Unpainted	176014	176015



## Adaptor to ICID Plus

Int Ømm Prima Smooth	125	150
Int Ømm ICID	125	150
Ext Ømm ICID	180	200
SAP Code Painted 0.6mm	109991	110268
SAP Code Unpainted 0.6mm	109992	110270



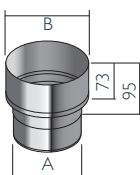
## Adaptor to TecnoFlex Plus

Int Ømm Prima Smooth		125/125	125/155	150/155	180/180
Int Ømm Prima Smooth		125	125	150	180
Int Ømm TecnoFlex Plus		125	155	155	200
SAP Code Painted	0.6mm	110180	COA	110413	COA
SAP Code Unpainted	0.6mm	110176	119949	110411	120028



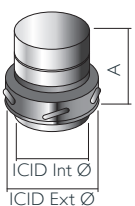
## Increaser

Increaser type		100/125	120/150	150/180	180/200
Int A Ømm from		100	125	150	180
to Int B Ømm		125	150	180	200
SAP Code Painted	0.6mm	119928	110195	COA	COA
	1mm	124895	110735	COA	COA
SAP Code Unpainted	0.6mm	COA	110205	COA	COA
	1mm	110066	110211	126294	126984

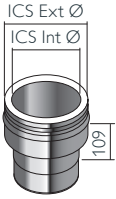


## Adaptor from ICID

Int Ømm Prima Smooth		125	150
Int Ømm ICID		125	150
Ext Ømm ICID		180	200
A		135	135
SAP Code Unpainted	0.6mm	145516	145517

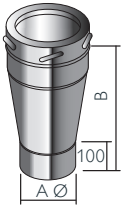


# Starting components



## Adaptor to ICS25

Int Ømm Prima Smooth		125	150	180	200
Int Ømm ICID		125	150	180	200
Ext Ømm ICID		180	200	230	250
SAP Code Unpainted	0.6mm	125388	126291	134132	COA

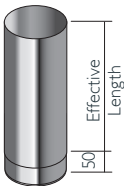


## SW-DW adjustable starter section to ICID

Int Ømm ICID		125	125*	150
Ext Ømm ICID		180	200	200
A		123	123	148
B		352	434	352
SAP Code Painted	0.6mm	125339	131148	126117
SAP Code Unpainted	0.6mm	125340	126096	126118

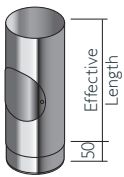
This component MUST only be fitted to stove pipe and NOT directly to appliance.

# Pipes



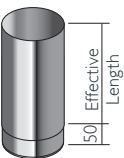
## Standard pipe effective length 950mm

Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	122583	114554	COA	COA
	1mm	122584	119954	COA	COA
SAP Code Unpainted	0.6mm	113272	114550	119861	119859
	1mm	115948	116338	119958	119956



## Inspection pipe effective length 950mm

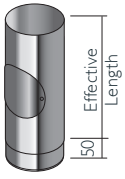
Int Ømm		125	150	180
SAP Code Painted	0.6mm	114177	COA	COA
	1mm	115979	116477	COA
SAP Code Unpainted	0.6mm	COA	114709	COA
	1mm	COA	114708	119962



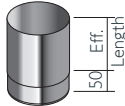
## Standard pipe effective length 450mm

Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	122585	111973	COA	COA
	1mm	125375	120601	COA	COA
SAP Code Unpainted	0.6mm	111487	111972	119869	119867
	1mm	112994	113393	119966	119964

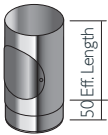
# Pipes



Inspection pipe effective length 450mm				
Int Ømm		125		150
SAP Code Painted	0.6mm	112081		112155
	1mm	114182		114252
SAP Code Unpainted	0.6mm		COA	COA
	1mm	111608		112115



Standard pipe effective length 200mm					
Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	122586	110716	COA	COA
	1mm	125374	120602	COA	COA
SAP Code Unpainted	0.6mm	COA	110723	COA	COA
	1mm	111302	111543	119978	119976



Inspection pipe effective length 250mm					
Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	COA	COA	COA	COA
SAP Code Unpainted	1mm	110850	110850	119974	119972



Cover band					
Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	125386	126289	COA	COA
SAP Code Unpainted	0.6mm	125387	126290	126979	127586

This component is used to provide a more aesthetic finish to the joint if pipe lengths are cut down on site.



Locking band					
Int Ømm		125	150	180	200
SAP Codes Unpainted	0.6mm	125390	126296	126985	127589

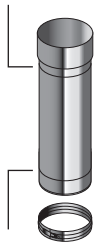
This component is used to provide extra support where there is an offset in the system and may also be used to clamp the joints when Prima Smooth is being lowered down a chimney as a chimney liner.



Adjustable pipe lengths (200mm)					
Int Ømm		125	150	180	200
Max Adjustment mm		70	70	70	70
SAP Code Painted	0.6mm	125384	COA	COA	119886
	1mm	COA	COA	COA	119883
SAP Code Unpainted	0.6mm	COA	COA	COA	COA
	1mm	125381	126284	119885	COA

# Pipes

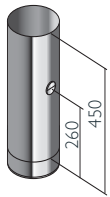
Max Adjustment  
370mm



50mm Engagement  
Bead

## Adjustable pipe lengths (500mm)

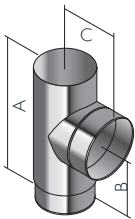
Int Ømm		125	150	180	200
Min Adjustment mm		80	70	70	80
Max Adjustment mm		370	370	370	370
SAP Code Painted	0.6mm	125382	126285	126976	127583
	1mm	125379	126282	126975	127582
SAP Code Unpainted	0.6mm	125383	126286	126977	127584
	1mm	125358	126252	126948	127556



## Test point

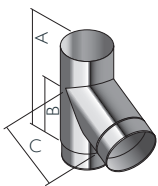
Int Ømm		125	150	180	200
SAP Code Unpainted	1mm	146362	146366	COA	COA

# Tees



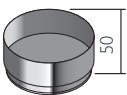
## 90° tee

Int Ømm		125	150	180	200
A		283	325	450	450
B		118	139	200	200
C		94	109	124	134
SAP Code Painted	0.6mm	111126	111688	COA	COA
	1mm	112205	113028	COA	COA
SAP Code Unpainted	0.6mm	111108	111689	COA	COA
	1mm	111156	111600	119991	119989



## 135° tee

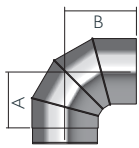
Int Ømm		125	150	180	200
A		283	325	450	450
B		180	215	295	295
C		178	215	258	258
SAP Code Painted	0.6mm	COA	COA	COA	COA
	1mm	COA	COA	COA	COA
SAP Code Unpainted	0.6mm	COA	COA	COA	COA
	1mm	119987	119986	126972	126972



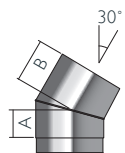
## Tee cap

Int Ømm		125	150	180	200
SAP Code Painted	0.6mm	122595	122596	COA	COA
SAP Code Unpainted	0.6mm	109826	109919	126993	127597

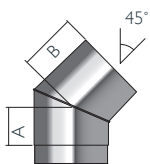
# Bends



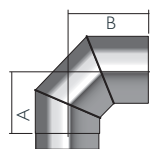
Adjustable 0-90° bend			
Int Ømm		125	150
A mm		127	142
B mm		174	184
SAP Code Unpainted	0.6mm	176623	176624
	1mm	COA	COA



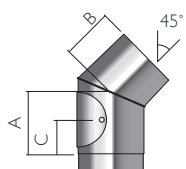
30° Bend				
Int Ømm		125	150	180
A		50	50	50
B		98	98	98
SAP Code Painted	0.6mm	110194	COA	COA
	1mm	120022	COA	COA
SAP Code Unpainted	0.6mm	110213	COA	119920
	1mm	110258	110493	120017



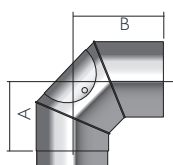
45° Bend					
Int Ømm		125	150	180	200
A mm		73	73	73	73
B mm		122	122	122	122
SAP Code Painted	0.6mm	121422	110717	COA	COA
	1mm	122589	120013	COA	COA
SAP Code Unpainted	0.6mm	110468	COA	COA	COA
	1mm	110515	110707	120008	120006



90° Bend					
Int Ømm		125	150	180	200
A mm		131	131	134	134
B mm		190	190	184	184
SAP Code Painted	0.6mm	122590	111106	COA	119899
	1mm	122591	120001	COA	COA
SAP Code Unpainted	1mm	110852	111151	119996	119994

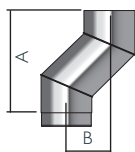


45° Inspection bend			
Int Ømm		125	150
A mm		155	155
B mm		122	122
C mm		94	94
Inspection Hole Ø mm		100	130
SAP Code Painted	0.6mm	122594	111335
	1mm	121423	COA
SAP Code Unpainted	0.6mm	COA	COA
	1mm	110948	111324



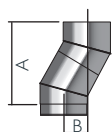
90° Inspection bend			
Int Ømm		125	150
A mm		131	131
B mm		190	190
Inspection Hole Ø mm		100	130
SAP Code Painted	0.6mm	122592	COA
	1mm	122593	COA
SAP Code Unpainted	0.6mm	110883	COA
	1mm	COA	111323

# Integral 45° offsets

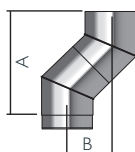


100 mm offset			
Int Ømm		125	150
A mm		300	300
B mm		100	100
SAP Code Unpainted	1mm	146683	145192

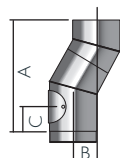
## Offsets (made by assembling 2 bends)



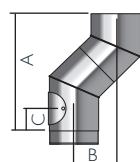
30° offset				
Int Ømm	125	150	180	200
A mm	276	276	276	276
B mm	74	74	74	74



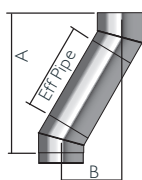
45° offset				
Int Ømm	125	150	180	200
A mm	333	333	333	333
B mm	138	138	138	138



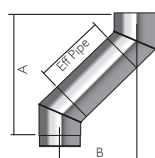
30° offset (using inspection bend)				
Int Ømm	125	150	180	200
A mm	407	407	407	407
B mm	74	74	74	74
C mm	100	100	100	100



45° offset (using inspection bend)				
Int Ømm	125	150	180	200
A mm	415	415	415	415
B mm	138	138	138	138
C mm	94	94	94	94



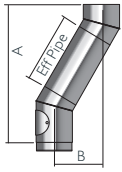
30° Offset with standard pipe lengths					
Int Ømm		125	150	180	200
Effective Pipe 950	A mm	1099	1099	1099	1099
	B mm	549	549	549	549
Effective Pipe 450	A mm	666	666	666	666
	B mm	299	299	299	299
Effective Pipe 200	A mm	449	449	449	449
	B mm	174	174	174	174



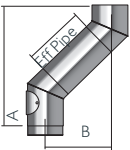
45° Offset with standard pipe lengths					
Int Ømm		125	150	180	200
Effective Pipe 950	A mm	1005	1005	1005	1005
	B mm	810	810	810	810
Effective Pipe 450	A mm	651	651	651	651
	B mm	456	456	456	456
Effective Pipe 200	A mm	474	474	474	474
	B mm	279	279	279	279



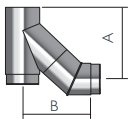
# Offsets (made by assembling 2 bends)



30° Offset using inspection bend					
Int Ømm		125	150	180	200
Effective Pipe 950	A mm	1230	1230	1230	1230
	B mm	549	549	549	549
Effective Pipe 450	A mm	797	797	797	797
	B mm	299	299	299	299
Effective Pipe 200	A mm	580	580	580	580
	B mm	174	174	174	174

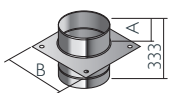


45° Offset with standard pipe lengths (using inspection bend)					
Int Ømm		125	150	180	200
Effective Pipe 950	A mm	1087	1087	1087	1087
	B mm	810	810	810	810
Effective Pipe 450	A mm	733	733	733	733
	B mm	456	456	456	456
Effective Pipe 200	A mm	556	556	556	556
	B mm	279	279	279	279



Offsets for 135° tee & 45° bend					
Int Ømm		125	150	180	200
A mm		348	386	432	458
B mm		315	348	424	430

# Support components

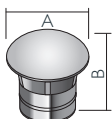


Expansion joint					
Int Ømm		125	150	180	200
A mm		60	60	60	60
B mm		400	400	400	400
SAP Code Unpainted	0.6mm	125155	125848	COA	COA
	1mm	125156	125849	COA	127162
Pipe length is adjustable to allow for thermal expansion.					

# Terminals



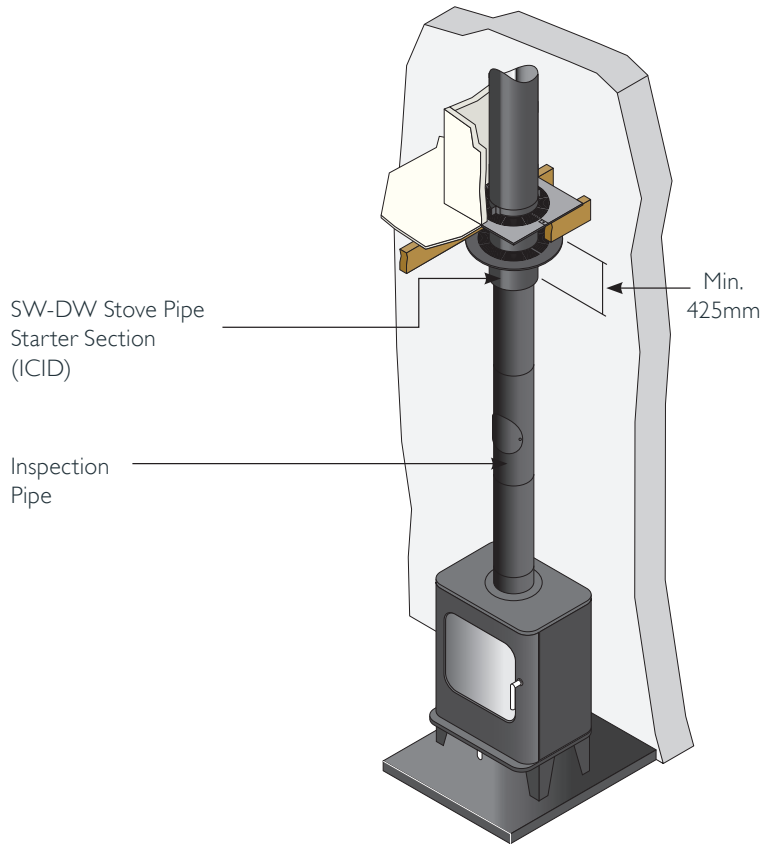
Raincap locking band					
Int Ømm		125	150	180	200
SAP Code Unpainted	0.6mm	144487	144489	144490	144491



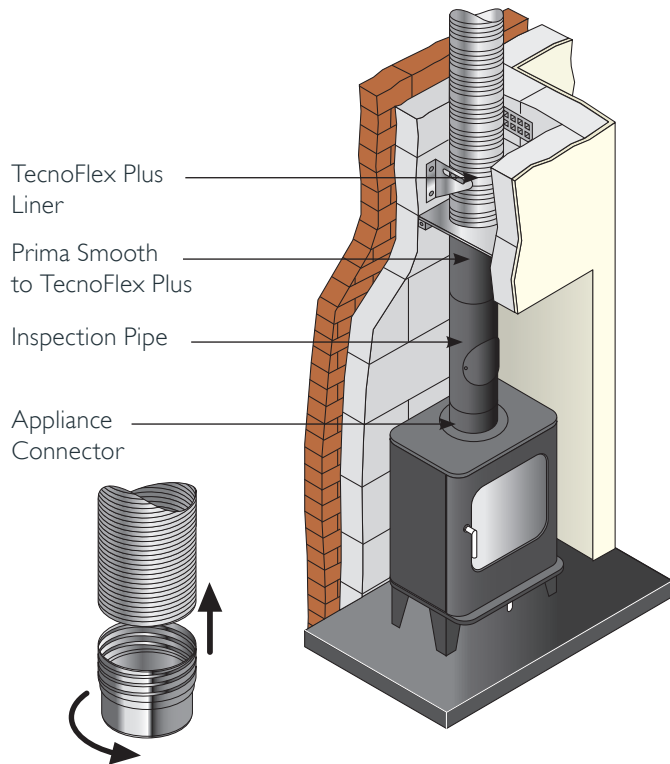
Raincap					
Int Ømm		125	150	180	200
A mm		266	266	362	362
B mm		139	158	180	183
SAP Code Unpainted	0.6mm	125161	110761	111525	111556
This component is designed to be used exclusively in conjunction with the Expansion Joint at the top of an existing masonry stack.					

# Typical installations

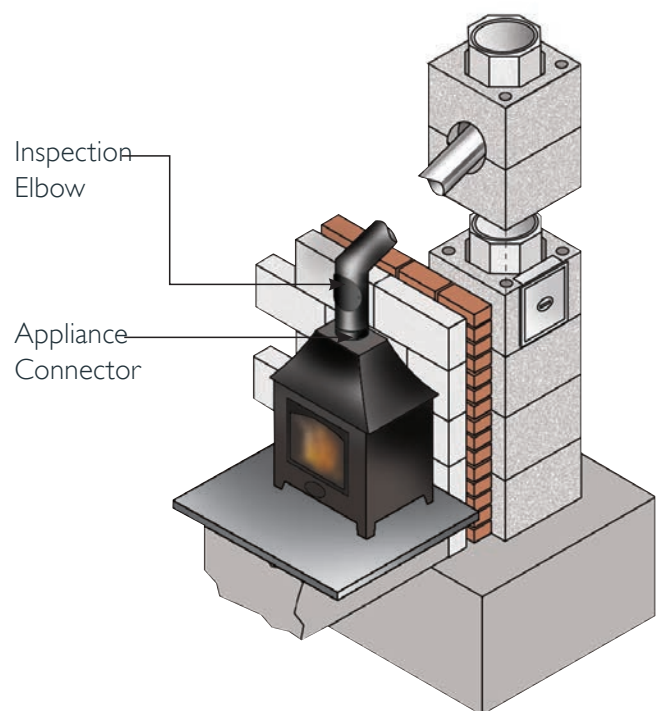
## CONNECTION TO INTERNAL SYSTEM CHIMNEY



## CONNECTION TO FLEX THROUGH FIREPLACE RECESS



## CONNECTION TO MODULAR PUMICE OR CERAMIC SYSTEM CHIMNEY



# Useful guides

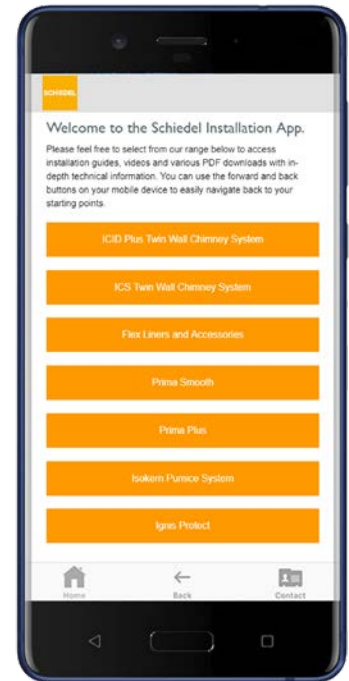
## THE SCHIEDEL INSTALLATION APP

This handy mobile guide can be used on mobile devices and touchscreen tablets.

It offers a number of very useful guides on all aspects of installing an appliance using Schiedel Chimney Systems, including:

- Quick and straightforward reference for installers.
- Video breakdowns of each stage of the installation process, from connection to the appliance through to termination.
- Highlighting the safety critical areas where the chimney penetrates the floors, ceilings, roof and walls.
- Incorporates frequently asked questions information at each stage of the installation process, in line with building regulations.
- An easy-to-use system for downloading full product information and installation instructions.
- Register your Guarantee in the App.

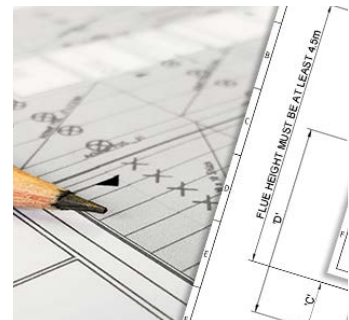
Download the iPhone and iPad version in the App Store and Android version in the Google Play Store.



## DOWNLOADS SPECIALIST CENTRE

We have a comprehensive range of CAD cells, typical installations using Isokern Pumice components and other diagrams, which are ideal resources for architects and builders when designing a chimney system for a new build or renovation.

Visit our website and head over to the **SPECIALIST CENTRE** which can be found under the **SCHIEDEL WORLD** menu, or contact us and we will send a USB stick with all the relevant information and downloads on.



# Schiedel Installer Rewards

Exciting news from Schiedel Chimney Systems for Stove and Chimney Installers! 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.

**Once you have reached a minimum of 25 points, you can begin to redeem them for £25 Love2Shop vouchers.**

So head on over to the portal and start to register your installations to start earning points!



# Complementary products and services from Schiedel Chimney Systems



## ICID PLUS

Highly Insulated Twin Wall Chimney System for traditional stoves, pellet stoves, biomass appliances, mini/micro CHP and condensing boilers capable of withstanding positive pressure.

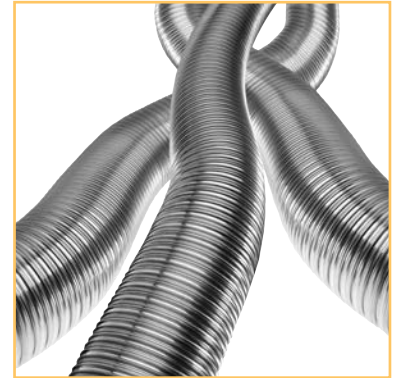
- Easy twist lock connection
- Effective insulation
- 100-150mm Internal diameter range



## PRIMA PLUS

Single Wall Stainless Steel Flue System

- Prima Plus available 0.6mm or 1mm options for domestic multi-fuel stoves
- Prima Plus for large residential & commercial condensing gas & oil appliances & chimney relining
- 80-300mm Diameter range



## TECNOFLEX PLUS

For relining existing chimneys to take gas, oil, wood, multi-fuel appliances and open fires.

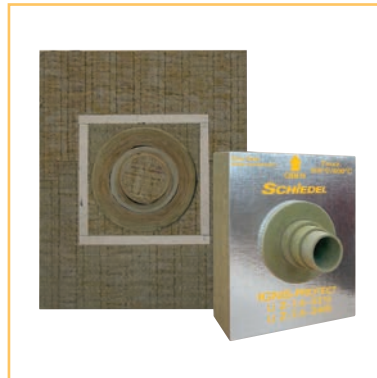
- Twin skin TecnoFlex Plus available in 316L or 904L options for oil, wood, multi-fuel & open fires
- 80-300mm Diameter range



## ICS

Twin Wall Insulated System Chimney for gas, oil and multi-fuel applications.

- Simple push-fit jointing system
- High efficiency Superwool insulation blanket
- Capillary break prevents moisture being drawn through the joint
- 80-300mm Diameter range



## IGNIS-PROTECT

Designed specifically for Air Tight, Energy Efficient and Timber Framed Buildings

- Suitable for SW and DW connecting flue pipes passing through interior or exterior walls made of combustible materials
- Available in both 90° and 45° version



## DM & LINERS

Pumice System Chimneys, Firechests and Liners.

- Pumice is a natural insulator, able to maintain the temperature of flue gases
- Lightweight – allowing one person to lift and build the chimney units
- Pumice expands and contracts less with temperature change than other chimney systems.



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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!

**LOVE2SHOP**

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 INDUSTRIES COMPANY