FloPlast building the future

Soil & Waste Systems



High Quality Soil & Waste Systems

FinPlast founded in 1991, has established itself as a manufacturer of high quality plastic building and plumbing systems for the construction industry, in particular domestic and commercial new build and refurbishment projects.

FloPlast offer an extensive choice of systems and products, in a range of sizes and colours, to suit all tastes and applications.

The **FloPlast** reputation for technical excellence, quality and competitively priced products have established the company as a leading supplier of Above Ground Plumbing Systems.

The **FloPlast** ABS Solvent Weld, Ring Seal and Solvent Soil Systems have been rigorously tested by The British Standards Institute and have been awarded their prestigious Kitemark:



Licence No. KM 548614 ABS Solvent Weld System



Licence No. KM 544331 Ring Seal & Solvent Soil System







Soil & Waste Systems

- 110mm Ring Seal Soil System PVC-U BS EN 1329-1:2000/ BS 4514:2001.
- 110mm Solvent Weld Soil System PVC-U BS EN 1329-1:2000/ BS 4514:2001.
- 110mm Access Fittings BS 4514:2001.
- Air Admittance Valves BS EN 12380:2002.
- W.C Pan Connectors Polypropylene (PP) BS EN 1329-1:2000 BS 5627:1984.
- Push-Fit Waste System Polypropylene (PP) BS EN 1451-1:2000/ BS 5254.
- ABS Solvent Weld Waste System BS EN 1455-1:2000/BS 5255:1989.
- "Chrome" Style/White Unicom Universal Compression Waste System BS 5254/BS EN 1451-1:2000.
- "Chrome" Style/White Waste Traps BS EN 274.
- 21.5mm Overflow Waste System.

Further guidance should also be sought by reference to:

- BS EN 12056:2000 Gravity Drainage Systems inside Buildings.
- BS 8000 -13:1989 Workmanship on building sites. Code of practice for above ground drainage and sanitary appliances.

The Building Regulations 2000

- Approved Document H Drainage and Waste Disposal:2002.
- Approved Document B Fire Safety:2000.

System Features

- Comprehensive, integrated and modern range of products and systems for all soil and waste applications.
- Components have a consistent high gloss finish and colour and are essentially maintenance free.
- Tough and durable, yet lightweight for ease of installation.
- Compatible with most other existing materials and systems manufactured to British/European Standards.
- Manufactured to British/European Standards specification where applicable.
- Colour matching between systems facilitates colour co ordination where sanitary pipework is located externally.



Standards/Quality Control

FloPlast operates quality and environment management systems which have been assessed by BSI and comply with the requirements of both BS EN ISO 9001:2008 Certificate No. FM 501414 and BS EN ISO 14001:2004 Certificate No. EMS 538445.

All products are subject to continuous quality control procedures and products manufactured to British Standard Specifications are marked accordingly.

Working Temperature

Soil and Waste systems may be used to carry liquids when subjected to a continuous flow, with a maximum temperature of 76°C. Intermittent discharges of up to 100°C may occur, provided that a duration of less than two minutes is observed.





Air Admittance Valves BS EN 12380

Certification and Standards

- Product is A1 approved in accordance with BS EN 12380 it can be installed below the flood level of connected appliances.
- Tested and approved for use in installations varying between -20° & +60°c (no insulation required).
- CE marked to level 4 attestation of conformity in accordance with BS EN 12380.
- FloPlast air admittance valves are kitemark licenced in accordance with BS EN 12380:2002 licence number KM 512474.

General Information

The **FloPlast** Air Admittance Valve is designed to allow the free entry of air into the sanitary pipework system without the escape of foul gasses into the building.

When installed into sanitary pipework systems conforming to BS EN 12056:2000, the **FloPlast** Air Admittance Valve not only prevents the loss of water from trap seals due to induced siphonage, but also has the added advantage of providing an early warning indicator to a potential drainage blockage. The AF110 Push-fit Air Admittance Valve may also be used as a secondary rodding point to remove such blockages.

All Valves should be stored/installed in an upright position.

The AF32 Air Admittance Valve has a universal adaptor to fit to 32mm/40mm/50mm Solvent Waste Pipe. It is produced from white ABS/PVC, and is designed for use with waste pipe conforming to British/European standards connected to a solvent cemented pipe adaptor supplied with the product.

Approved Document H of the Building Regulations only permits Air Admittance Valves that conform to BS EN 12380.

Ventilation and access must be provided to all air admittance valve installations.



Further information on FloPlast Air Admittance Valves is available from the BSI detailed sheet which is downloadable from our website:

www.floplast.co.uk

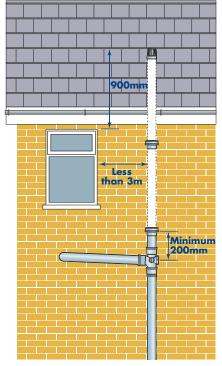


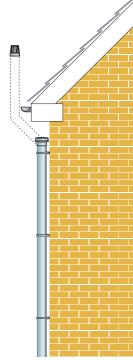
External Air Admittance Valve Push-fit



CODE AX110 Push-fit/Solvent COLOUR Grey/Black/White SIZE 110mm/82mm

Document H Clause 1.31 states that "Ventilating pipes open to outside air should finish at least 900mm above any opening into the building within 3 metres". This new development by **FloPlast**, of an External Air Admittance Valve, will allow the installation of an external soil pipe within 3 metres of any opening and terminate at the same height as if it were installed internally, ie. 200mm (minimum) above the highest wet entry point to the soil vent pipe. See diagram below.















CODE SIZE AV32 32mm White AV40 40mm White AV50 50mm White





CODE SIZE AF32 32/40/50mm White

(Universal adaptor to fit 32mm/40mm/50mm Solvent Waste Pipe)





CODE SIZE AV110 110mm (Solvent) Grey/Black/White



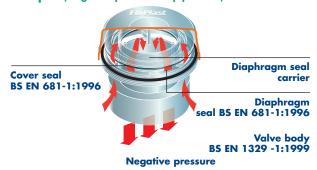




CODE SIZE AF110 110mm (Push-Fit) Grey/Black/White

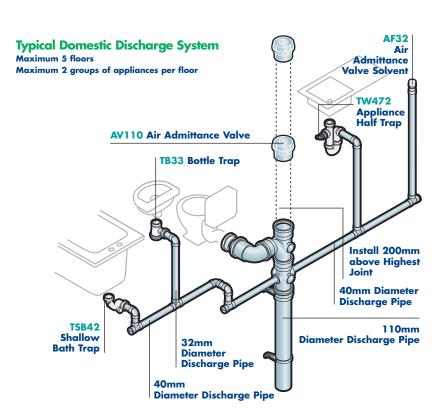
For 82mm solvent: Remove seal from 110mm push-fit for 82mm solvent connection.

Valve Open (Negative pressure in pipework)









Advantages and Benefits

- Saves the need to penetrate the outer roof shell, giving more aesthetic roof lines.
- Saves on the cost of pipes and expensive fittings.
- Saves on roof flashing.
- Saves on labour costs.
- Prevents the loss of water from trap seals and consequent release of foul air into the building.
- Secondary rodding point.



110mm Ring Seal Soil System BS EN 1329 - 1:2000/BS 4514:2001

Fixing Guide

Install and test system in accordance with BS EN 1610:1998.

- Commence the stack from the base and work up. Mark the position of the brackets and drill and fix screws before erecting the stack.
- Fix pipe or socket brackets at maximum 2m centres vertical and at maximum 1m centres horizontal.
- An allowance for expansion should be made by withdrawing all pipe and fitting spigots from sockets by 10mm. Soil Fittings with spigot ends can be inserted into the socket to depth marks engraved on the spigot to ensure correct allowance is made for expansion. Expansion joints should be incorporated every 4m.
- The use of silicone lubricant on all seals will facilitate jointing.
- The system should incorporate suitable access points to enable testing and maintenance of the system.

BOSS ADAPTORS

Solvent Weld Connection to ABS		32mm	40mm	50mm
	ABS	SP22 + WS38	SP22 + WS39	SP22
Straight Push-fit Connection to Push-fit Waste or Solvent Weld Waste		SP10	SP11	SP12

FIRE COLLAR APPLICATION

Used to seal PVC-U pipes as they pass through cavity walls and floors. In a fire the intumescent lining reacts to extreme heat which expands and blocks a potential fire path.



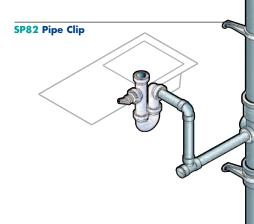


ADJUSTABLE BEND 0-90°

SP230 92½° (87½°) Double Branch



SP319 Strap on Boss



The above drawings are for illustrative purposes only. For detailed installation advice please contact your local stockist.

Boss Adaptor - Rubber (Push-fit)

CODE





SIZE



SP302 Vent Terminal

SP300 Weathering Collar

SP320 Weathering Slate

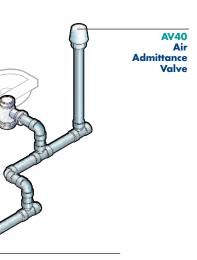
AV110 Air Admittance Valve

The FloPlast Air Admittance Valve is designed to allow the free entry of air into the sanitary pipework system without the escape of foul gases into the building. Sizes: 32mm to 110mm.

SP435 Offset Bend



SP83 Socket Clip



SP581 Boss Pipe Socket/Spigot

110mm Pipe and Fittings

Pipe-Plain Ended			
	CODE SP1* SP2	SIZE 3m 4m	
Pipe-Single Socket			
	0005	0175	

		SP3* SP4	3m 4m
Brackets			
	Pip	e Clip	CODE SP82*

Pipe Couplings		
	Double Socket	CODE SP105*
	Single Socket	SP124*

Soil Pipe Bends	
92½° (87½°) Bend (Socket/Spigot)	CODE SP161*
92½° (87½°) Bend (Double Socket)	SP561*

112½° (67½°) Bend (Socket/Spigot)	SP162
135° (45°) Bend (Socket/Spigot)	SP163*

Adjustable Bend 0-90°		
	CODE SP560	

(PP - Do not solvent weld)

Orrser Benas		
	135° (45°) Top	CODE SP440
	135° (45°) Bottom	SP435

Soil Pip	e Branches	
	92½° (87½°) Branch	CODE SP190*
	112½° (67½°) Branch	SP200
	135° (45°) Branch	SP210
	92½° (87½°) Double Branch	SP230

Access	Fittings	
	92½° (87½°) Access Bend	CODE SP169*
	92½° (87½°) Access Branch	SP502
S	crewed Access Cap	SP292
	Socket Plug	SP296*
	Access Pipe (Socket/Spigot)	SP274*

Bosses/	Manifold	
	Boss Pipe (Socket/Spigot)	CODE SP581*
(Soc	Boss Pipe ket/Solvent Socket)	SP582
	Short Boss Pipe	SP583*
	Strap Boss	SP319*
	Soil Manifold	SP588

Access Pipe

(Socket/Solvent Socket)

SP275

[One open)	0033
32/40/50mm connec	ctions
Terminal Fittings	
Weathering Co	CODE

9	
Vent Terminal	SP302*
F to all Cond	CDOIO

	SP10 SP11 SP12	32mm 40mm 50mm
Solvent	Boss Adaptor	
(Available in Grey only)	CODE SP20 SP21 SP22	SIZE 32mm 40mm 50mm
Reduce	'S	
	110x50mm Waste#	CODE SP95
	110x68mm Rainwater	SP96
	10x82mm Soil (Grey only)	SP97
₽	Iniversal Waste Adaptor (32/40/50)	D95
	Universal Rainwater daptor (Sq/Rd)	D96
#To reduce to	mm Adaptor o 32mm or 40mm wa: or VVP39/40 respectiv	D97 ste use vely
Drain C	onnector	
		CODE SP107
Univers	al Pipe Conne	tor
Adapts to So	il/Clay/CI/Drainage	CODE SP140
Fire Pro	tection Collar	

CODE

FC110

(FC50, FC82 and FC160 available to order)

SIZE

110mm

www.floplast.co.uk/



Access Pipe Socket/Spigot

SP274

"Cast Iron" Style 110mm Ring Seal Soil System PVC-U BS EN 1329 - 1:2000, BS 4514:2001



Pipe-Plain Ended

CODE SIZE SP9 1.8m

Pipe Coupling



DS Coupling with CODE Fixing Lugs SP115 (Requires 2 x FC65 fixings)

Brackets

A (Rec

CODE Pipe Clip SP84 (Requires 2 x FC65 fixings)



Soil Pipe Bends*

CODE 92½° (87½°) SP161 Bend (Socket/Spigat)



135° (45°) SP163 Bend (Socket/Spigot)

92½° (87½°) SP561 Bend (Double Socket)



135° (45°) SP563 Bend (Double Socket)

Soil Pipe Branches*



CODE 92½° (87½°) SP190 Plain Branch (Double Socket)

92½° (87½°) SP192 Boss Branch (Double Socket)

Access Fittings*



Access Pipe SP274
(Socket/Spigot)



92½° (87½°) SP169 Access Bend (Socket/Spigot)

Terminal Fittings

CODE Vent Terminal SP302

Black

SP320



Weathering Slate

Boss Pipe Fittings



Boss Pipe* SP581 (Socket/Spigot)



Strap Boss SP319

Solvent Cement can be used with caution, alternatively use external silicone sealant.

Waste Adaptor - Rubber (Push-fit)

 SP10
SP11



SIZE

32_{mm}

40mm

Lubricants

800gm Lubricant Spray CODE 8G800 100gm Silicone Grease SG100

400ml Silicone

Lubricant Spray SL400

Fixings



CODE FC65

12 gauge x 65mm Stainless Steel fixings for "Cast Iron" Range (Socket Fixings)

Flexible Coupling



SIZE CODE 98mm -115mm D102 Flexi-coupling

*All complete with Socket Shroud

Soil Manifold (SP588)



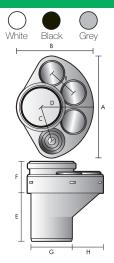
BS EN 1329 - 1:2000/BS 4514:2001

Dimensions (mm)

A B C D E F G H I 268 210 102 149 132 85 110ø 89 75

The **FloPlast** Soil Manifold is designed to be installed in a soil stack in the corner of a room.

- Helps prevent stack induced siphonage on connecting runs.
- Prevents crossflow design problems.
- 32mm, 40mm, and 50mm connections possible in all inlets.
- Simple push-fit connection for all waste pipes.



110mm Solvent Soil System BS EN 1329 - 1:2000, BS 4514 2001



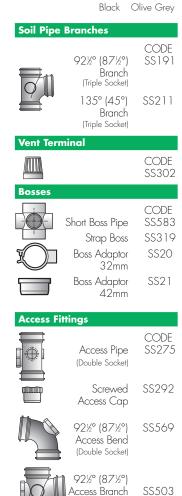
90° Bend

(Spigot/Socket)

For additional items to complement

Solvent Soil System please see

page 7, Ring Seal Soil System.



Access Branch

(Triple Socket)

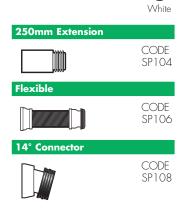


Soil-WC Connectors BS EN 1329 - 1:2000, BS 5627:1984

SS168

A full range of horizontal pan connectors are available for use with WCs as specified in BS 5627:1984. Made in polypropylene, they are supplied with an integral sealing diaphragm which allows for up to 5° misalignment in any direction.

Swan Neck	
	CODE SP100
Straight	
	CODE SP101
Offset	
	CODE SP102
90° Bend	
	CODE SP103



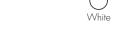


Waste Traps BS EN 274



Traps to BS EN 274 are manufactured in white high temperature polypropylene with compression type outlets that fit plastic and copper waste pipes 32mm/1¼"and 40mm/1½".





P Trap-38mm Seal CODE TP33 TP43 Size 32mm 40mm

P Trap-76mm Seal

CODE Size TP37 TP47 32mm 40mm

S Trap-38mm Seal

CODE TS33 TS43 Size 32mm 40mm

S Trap-76mm Seal

CODE TS37 TS47 Size 32mm 40mm

Telescopic P Trap-76mm



Shallow Bath Trap-38mm Seal



Low Level Bath Trap-50mm Seal

CODE Size TLB45 40mm With cleaning access for overflow

Washing Machine Trap

CODE Size TW470 40mm Without upstand

Washing Machine Kit-76mm Seal

CODE TW471 Size 40mm Includes 600mm stand pipe & 2 clips

Running 'P' Trap-76mm Seal

CODE Size TR47 40mm

Single Bowl Sink Kit-76mm Seal

CODE Size TW472 40mm

1½ Bowl Sink Kit

CODE Size TW475 40mm

Double Bowl Sink Kit-76mm Seal



Double Nozzle Trap-76mm Seal



Trap Seal Kits

CODE TK32 Size 32 mmTK40 40mm

Appliance Half Traps-76mm Seal



Bottle Trap-38mm Seal



Bottle Trap-76mm Seal

	CODE	Size
YE YE	TB37	32mm
	TB47	40mm

Anti Vac Bottle-76mm Seal

	CODE	Size
E	TB37A	32mm
	TB47A	40mm

Telescopic Bottle Trap-76mm Seal

CODE TB37T TB47T	Size 32mm 40mm

Plain Swivel Elbow



Washing Machine Tee

CODE	Size
TWT41	40mm

Washing Machine/Dishwasher Nozzle

1	CODE	Size
The state of the s	THC40	40mm

Overflow & Hose Connector

	THC41	Size 40mm
Trap Heiaht	Adjuster	

CODE Size **TA33** 32_{mm} TA43 40mm

Telescopic Pedestal Trap-76mm Seal



Patent No. GB2362658 Reg. Design No. 2092016

Shower Trap

CODE TH41 (Plastic Grid)	Size 40x19mm
TLIAO	10 10

TH43 40x19mm (Chrome Grid)



TH53 40x50mm (Chrome Grid)

FastFlo Shower Trap



Wet Room Shower Trap



"Chrome" Style Waste Trap BS EN 274





Telescopic Bottle Trap-76mm Seal



CODE CT371 CT471

Size 32mm 40mm

For FloPlast's "Chrome" Style Compression range, please see pg 13.

System Features

- Enhances the area for vanity installations.
- Ideal for all public areas, hotels, pubs & restaurants.
- Fits ABS, PVC, Copper & Polypropylene pipes.

ABS Solvent Weld System BS EN 1455 - 1:2000, BS 5255:1989











3m Wastepipe



SIZE CODE WS01# 32_{mm} WS02# 40mm WS03 50mm

Straight Coupling



CODE SIZE WS07# 32mm WS08# 40mm WS09 50mm

90° Bend



CODE SI7F WS10# 32_{mm} WS11# 40mm WS12 50mm

92½° (87½°) Bend



SIZE CODE WS14 32_{mm} WS15 40mm WS16 50mm

135° (45°) Bend



CODE SIZE WS18# 32mm WS19# 40mm WS20 50mm



CODE SIZE WS22# 32_{mm} WS23# 40mm WS24 50mm

90° Conversion Bend



CODE SIZE WS26# 32mm WS27# 40mm WS28 50mm

135° (45°) Conversion Bend



CODE SIZE WS76 32_{mm} WS77 40mm

Access Plug



CODE WS30# SIZE 32 mmWS31# 40mm WS32# 50mm

Pipe Clip



CODE SIZE WS34# 32mm WS35# 40mm WS36 50mm

Reducer



CODE SI7F WS38# 40x32mm WS39 50x32mm WS40 50x40mm

135° (45°) Branch



SIZE CODE WS42* 32 mmWS43 40mm

Level Invert Reducer



CODE SIZE WS50* 40x32mm

92½° (87½°) Cross Tee



CODE SIZE WS58* 40mm

Tank Connector



CODE SIZE WS60 32 mmWS61 40mm



CODE WS63 WS64 WS66

SIZE 32_{mm} 40mm 32 mm40mm

(Grey & White only)



A light in weight yet strong and cost effective option, the FloPlast ABS Solvent Weld System is available in 32mm, 40mm and 50mm sizes with an extensive range of fittings to meet most installation requirements.



Push-Fit Waste Systems BS EN 1451-1:2000/BS 5254:1976

Made in polypropylene, this quick and easy to install waste system incorporating a push-fit ring seal system is available in 32mm, 40mm and 50mm sizes. No solvent welding required.

Waste Systems Fixing Guide

Install and test system in accordance with BS EN 1610:1998.

- Fix pipe brackets at maximum 1.2m centres vertical and at maximum 0.5m centres horizontal for 32mm and 40mm, 0.6m centres for 50mm.
- An allowance of a 10mm expansion gap on all push-fit joints is required for the expansion of pipes and fittings in each socket of push-fit systems.
- For solvent weld installations incorporate expansion ring seal couplings at relevant points for long pipe runs.
- It is recommended that ABS and Polypropylene waste systems where externally installed are protected against prolonged exposure to sunlight with exterior gloss paint.
- For solvent weld systems ensure the pipe is cut square, all swarf removed and cleaning fluid applied to both surfaces of joint. Apply solvent cement evenly to both surfaces of joint, insert pipe fully into the socket depth and remove surplus cement with a cloth. Allow five minutes to set before handling and twelve hours before testing system.

3m Wastepipe



CODE SIZE
WPO1 32mm
WPO2 40mm
WPO3 50mm

Straight Coupling



CODE SIZE
WP07 32mm
WP08 40mm
WP09 50mm

90° Bend



CODE SIZE
WP10 32mm
WP11 40mm
WP12 50mm

92½° (87½°) Bend



CODE SIZE
WP14 32mm
WP15 40mm
WP16 50mm

135° (45°) Bend



CODE SIZE
WP18 32mm
WP19 40mm
WP20 50mm

Tee



CODE SIZE
WP22 32mm
WP23 40mm
WP24 50mm





50mm:Grey only White

90° Conversion Bend



CODE SIZE WP26 32mm WP27 40mm

Socket Plug



CODE SIZE
WP30 32mm
WP31 40mm
WP32 50mm

Pipe Clip



CODE SIZE
WP34 32mm
WP35 40mm
WP36 50mm

Reducer



CODE SIZE
WP38 40x32mm
WP39 50x32mm
WP40 50x40mm

Tank Connector



CODE SIZE WP60 32mm WP61 40mm

For ease of installation use silicone, SL400 Spray / SG100 Tub / SG800 Gel



Unicom Compression Waste System BS 5254, BS EN 1451-1:2000

Made in polypropylene, this quick and easy to install waste system incorporating a compression outlet accepts plastic and copper pipes.



3m Wastepipe



Straight Coupling



CODE SIZE WC07 32mm WC08 40 mm



CODE SIZE WC10 32mm WC11 40mm

0-90° Adjustable Bend



SIZE CODE WC14 32mm WC15 40mm

Make your life easier with the FloPlast 0-90° adjustable waste bend, the one fitting that will get you out of a tight spot.

135° (45°) Bend



SIZE CODE WC18 WC19 32mm 40mm



SIZE CODE WC22 32_{mm} 40mm

Conversion Bend



SIZE CODE WC26 32_{mm} WC27 40mm



SIZE CODE WC38 40x32mm



CODE SIZE 32_{mm} FT32 FT40 40mm



"Chrome" Style Unicom Compression Waste System BS 5254, BS EN 1451-1:2000

Made in polypropylene, this quick and easy to install waste system incorporating a compression outlet accepts plastic and copper pipes.



1.1m Wastepipe (ABS)



CODE SIZE CW01 32mm CW02 40mm

Straight Coupling



CODE SIZE CW07 32mm **CW08** 40mm

90° Bend



CODE SIZE CW10 32mm CW11 40mm



CODE CW22 SIZE 32 mmCW23 40mm

Pack of 3



CODE SIZE CW34 32_{mm} CW35 40mm



Overflow Waste System

A 21.5mm solvent weld overflow system in PVC-U with an extensive range of fittings to meet most installation requirements.

Fixing Guide

- Fix pipe brackets at maximum 0.6m centres for both vertical and horizontal runs.
- No expansion gap required on the solvent weld overflow system.
- Solvent weld joints in accordance with ABS/PVC-U Waste Systems instructions.



21.5mm Overflow Waste **PVC-U Solvent**

3m Overflow Pipe



CODE OS01

Straight Coupling



CODE OS10



CODE OS11

135° (45°) Bend



CODE OS12



CODE OS13

Straight Tank Connector



CODE

Bent Tank Connector



CODE OS15



Pipe Clip



CODE

Overflow Waste Reducer



OS17

x32mm x40mm

Fits both push-fit and solvent weld systems



OS14 STRAIGHT TANK CONNECTOR

flexiflo Connectors

- Flexible range of connectors, suitable for a wide variety of applications.
- Will fit all pipes (PVC/Copper/Lead etc) within each specific size range.
- Elbows and Tees must not be used in underground installation situations. End Caps can be used as temporary blanking plugs.





CODE WF07 30-38mm WF08 38-45mm



WF11 40-48mm SP111 105-116mm



Ancillaries

400ml Silicone Lubricant Spray



CODE SL400

50g Silicone Lubricant Gel



CODE SL50

800gm Lubricant Gel



CODE SG800

100gm Silicone Grease



CODE SG100

125ml Solvent Cement





CODE SC125

250ml Solvent Cement





CODE SC250

Number of joints achievable (for guidance only)				
Solvent Weld	32mm	40mm	50mm	110mm
125ml	27	27	27	7
250ml	55	55	55	15
Lubricant				
100gm Silicone Grease	160	120	100	60
800gm Lubricant Gel	1200	950	800	450
400ml Silicone Spray	600	420	400	225





Soil & Waste Systems Compatibility Chart

	110mm Above Ground Drainage	Push-Fit Waste (PP)			Solvent Weld Waste (ABS)		
		32mm	40mm	50mm	32mm	40mm	50mm
Manufacturer							
Hepworth	✓	✓	~	✓	✓	✓	✓
Brett Martin	✓	✓	✓	✓	✓	✓	✓
Osma	✓	✓	✓	✓	✓	✓	✓
Polypipe Terrain	✓	✓	✓	✓	✓	✓	✓
Marley	✓	✓	✓	✓	✓	✓	✓
Hunter	✓	✓	~	✓	✓	•	✓

FloPlast® building the future

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316 KM 51247.



























01/05/11









