

FloPlast
building the future

"Cast Iron" Style Rainwater & Soil Systems



PVC UF Roofline,
Window &
Cladding Systems

Rainwater
Systems

Soil & Waste
Systems

Underground
Drainage Systems

ACPF
Systems

Hot & Cold
Plumbing Systems

FloPlast

"CAST IRON" STYLE RAINWATER SYSTEMS

FloPlast "Cast Iron" Style Rainwater Systems replicate traditional Cast Iron styling with all the benefits of a modern UPVC system. The product is quick and easy to install, is corrosion free with no need for painting. FloPlast "Cast Iron" Style Rainwater gives the home owner all of the aesthetic features of traditional cast systems but at less than half the cost.

System Features and Benefits

- 3 profiles available - Half Round, Hi-Cap and Niagara
- Lightweight and resilient material
- Reduced labour costs
- Ideal for new build and renovation projects
- Architectural features e.g. Hopper Motifs
- 20 Year "Cast Iron" Colour Guarantee

Standards/Quality Control

FloPlast consider that an integral part of our business undertaking is to minimise any potentially harmful effects on the environment that our activities may cause. FloPlast aim to take into account sustainability in our product design, applications and commitment to the protection of the environment and prevention of pollution, in all we do.

FloPlast operations embrace energy, quality and environment management systems which have been accredited by BSI to BS EN ISO 9001:2008 Certificate No. FM 501414, BS EN ISO 14001:2004 Certificate No. EMS 538445, BS EN ISO 18001:2007 Certificate No. OHS 593622 and BS EN ISO 50001:2011 Certificate No. ENMS 638370.



All products are subject to continuous quality control procedures and products manufactured to British Standard Specifications are marked accordingly. For CE DOP's (Declaration of Performance), please refer to our website at www.floplast.co.uk.

Increasingly, organisations need to demonstrate their environmental credentials to their customer. The Carbon Trust Standard certifies organisations for real carbon reduction and a commitment to ongoing reductions and is an award for organisations that can prove that they have measured, managed and reduced their carbon emissions year on year.

By reducing carbon emissions, FloPlast has demonstrated that taking action on climate change, by proactively managing regulatory compliance, delivers energy cost reductions, an enhanced reputation and satisfied employees & stakeholders.

As one of only a handful of companies within our industry to have achieved this award, it demonstrates that FloPlast is at the forefront of addressing environmental issues. The award is recognition of the action taken within the organisation to reduce our carbon footprint rather than paying others to offset it.

Transport, Handling and Storage

FloPlast "Cast Iron" Style pipes and gutters are supplied in secure bales bound with straps within timber frames. FloPlast recommend that movement of bales is carried out by fork lift or other mechanical device using webbing or rope strings.

The bales may be stacked up to a maximum of three high, providing that the timber frames are placed on each other.

Fittings are generally supplied in plastic bags and should be stored away from direct sunlight. If they have to be stored outside, the bags should be opened to prevent temperature build-up.

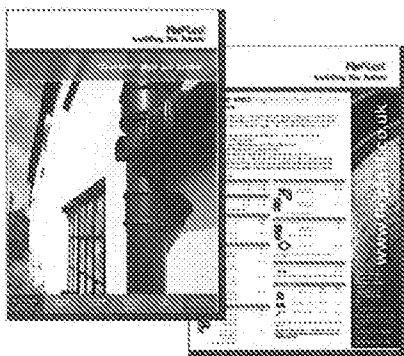
Terms and Conditions of Sale

Goods are sold subject to our Standard Terms and Conditions of Sale, copies of which are available upon request. FloPlast Limited reserve the right to modify or extend any product range or published information without prior notice.

FLOPLAST MARKETING SUPPORT

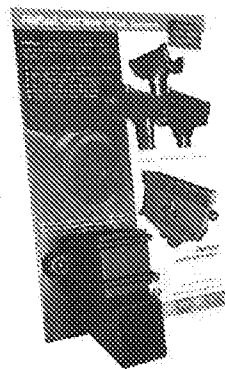
Our in-house Marketing department can provide you with a range of support materials e.g. brochures, banners, stockist boards, bespoke leaflets, bin labels, P.O.S and posters. FloPlast is fully committed to

working with its partners. As such, we are always receptive to new ideas and are open to discussing any Marketing initiatives, which our partners may wish to undertake.



"Cast Iron" Style Leaflets

Our "Cast Iron" Style information leaflets clearly identify codes and descriptions of each product range, user friendly to ensure smooth and efficient order process.



"Cast Iron" Style Rainwater Trade Counter Boards

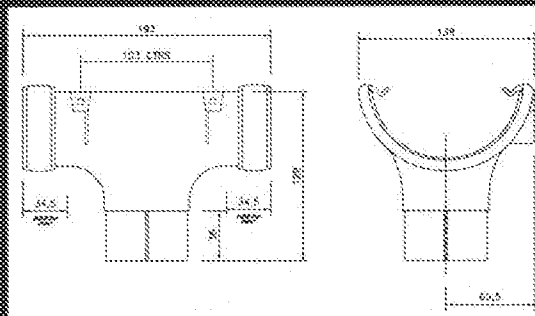
Perfect for any Trade Counter, giving the customer a chance to see, touch and feel the product in the flesh and learn more.

FLOPLAST CAD DRAWINGS

The benefits of CAD drawings are well known by the Architect/Specifier community. Drawings are available to download for each product that

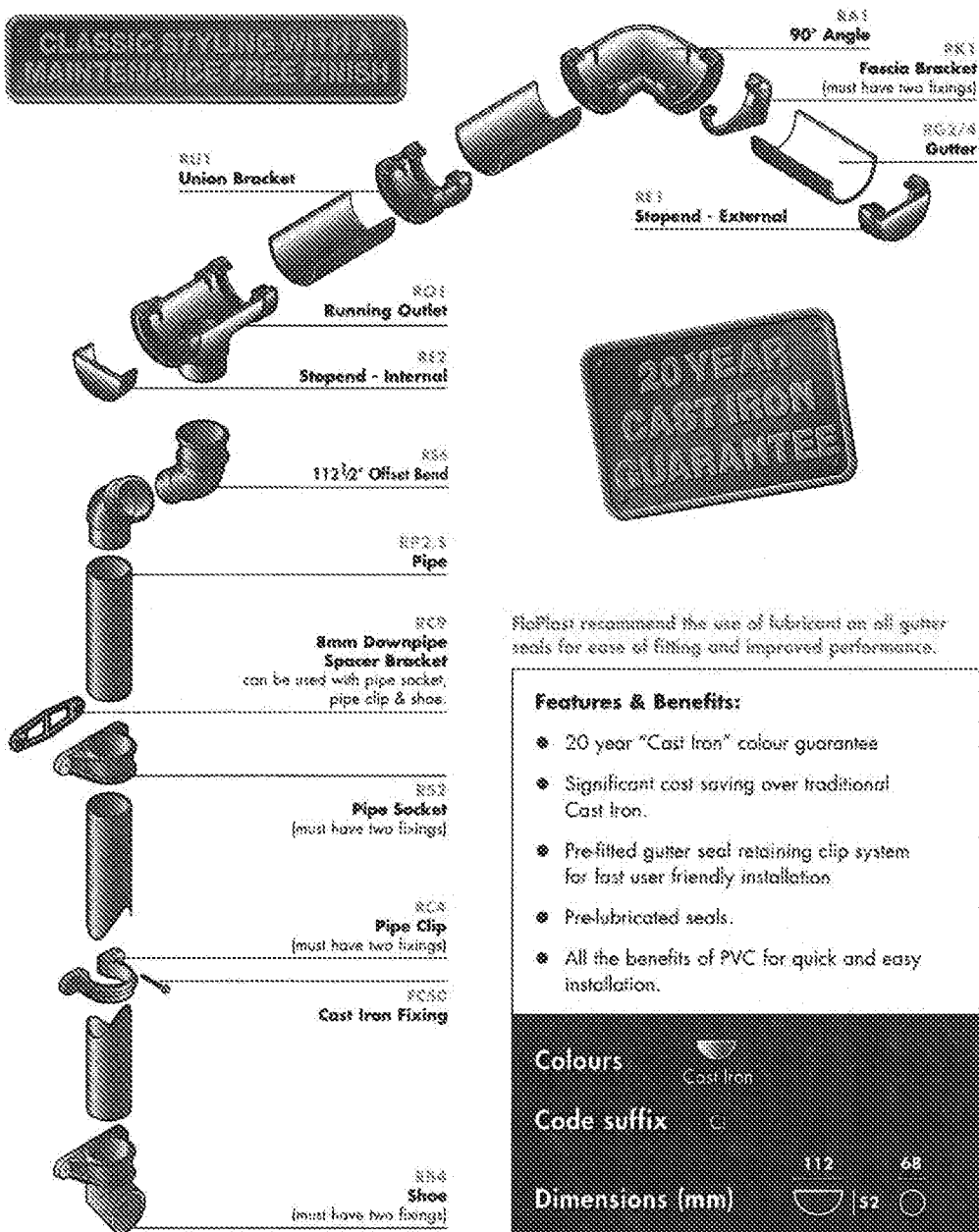
FloPlast manufacture. Please visit www.floplast.co.uk and click on the 'links' section. For your convenience, files are downloadable as either a .dwg (primarily for CAD programs) or as a PDF for easy viewing.

All files determine design lengths required by the Architect/Specifier to enable them to produce accurate drawings.



FloPlast

HALF ROUND "CAST IRON" STYLE 112MM/68MM RAINWATER SYSTEM



112MM GUTTER & FITTINGS RP EN 607 2004 BS 12204-1 TO 3 BS EN 1467 2004

Gutter and pipe code reference numbers refer to length of run: 2 metres, 2.5 metres and 4 metres.

For Ancillaries and Spares see page 10.

Product		Code
Gutter		
	4m	RG4
	2m	RG2
Angle		
	90°	RA1
	135°	RA2
	any degree	RA9°

*Floplast will fabricate any non-standard angle to special order

Product		Code
Running Outlet - 68mm round		
		RO1
Stopend Outlet - 68mm round		
		RO2
Stopend		
	External	RE1
	Internal	RE2

Product		Code
Fascio Bracket		
		RK1
Union Bracket		
		RU1
To Cast Iron Ogee gutter adaptors		
	3/4"	RD3
	1/2"	RD4
To Half Round Cast Iron gutter adaptors		
		RD5

68MM ROUND DOWNPIPE & FITTINGS RP EN 607 2004 BS 12204-1 TO 3 BS EN 1467 2004

Product		Code
Pipe		
	2.5m	RP2.5
Offset Bend		
	92 1/2°	RB8
	112 1/2°	RB6
Shoe		
		PB4*
Pipe Clip		
		RC4*
Pipe Socket		
		RS2*
67 1/2° Branch		
		RY1

*Fixing instructions for the RCS0 (Cast Iron Fixing bolts)

The RCS0 is a 12 gauge x 30mm Stainless Steel Bolt that requires a 12mm, 12 point star head socket to tighten it. When using these fixings on Ogee and Rectangular Hoppers we recommend that a 3/4" tap washer is used. When fixing product to concrete, brick, block etc fix RCS0 in the same way as any other screw by using a plug type fixing, and also similar by pilot drilling a starter hole first.

Product		Code
Access Pipe		
		RX1
Square/Round Downpipe Adaptor		
		RS2
Universal Hopper		
	Connects to 65mm square & 48mm round downpipe	RH1
Ogee Hopper		
	Connects to 68mm round and 65mm square downpipes	RH4*
Rectangular Hopper**		
	Connects to 68mm round and 65mm square downpipes	RH5*
Cast Iron Fixings*		
		FC50

12 gauge x 30mm stainless steel fixings for "cast iron" Range (socket fixings)

Product		Code
Fleur-de-Lis		
	40mm	FL55
	52mm	FL70
Tudor Rose		
	40mm	TR55
	52mm	TR70
Decorative Square		
	40mm	DS55
	52mm	DS70
Lion's Head		
	40mm	LH55
	52mm	LH70

Wells can be applied to hoppers or running outlets using a proprietary adhesive such as Soudal HS Polymer.

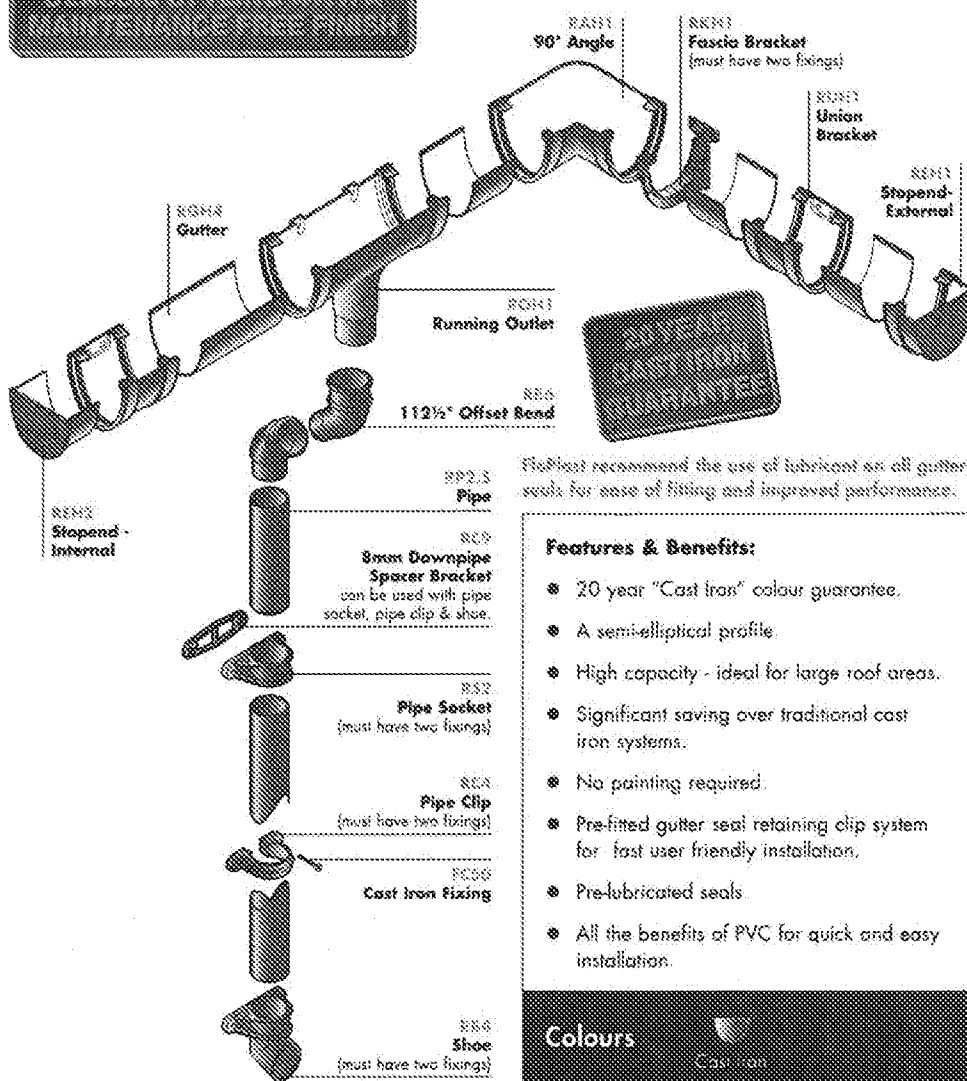
** This product is rotationally moulded and subject to bowing along its length up to +/-4%.

*With fixing legs (Requires 2 x RCS0 fixings)

FloPlast

HI-CAP "CAST IRON" STYLE 115MM/68MM RAINWATER SYSTEM

CLASSIC STYLING WITH A
MAINTENANCE FREE FINISH



FloPlast recommend the use of lubricant on all gutter seals for ease of fitting and improved performance.

Features & Benefits:

- 20 year "Cast Iron" colour guarantee.
- A semi-elliptical profile
- High capacity - ideal for large roof areas.
- Significant saving over traditional cast iron systems.
- No painting required.
- Pre-fitted gutter seal retaining clip system for fast user friendly installation.
- Pre-lubricated seals.
- All the benefits of PVC for quick and easy installation.

Colours



Code suffix

CI

Dimensions (mm)



115MM GUTTER & FITTINGS

BS EN 12072:2004 BS 12200-1:2000 BS EN 1462:2004

Gutter and pipe code reference numbers refer to length of run: 2.5 metres and 4 metres.

For Ancillaries and Spares see page 10.

Product	Code
Gutter	
	4m RGH4
Angle	
	90° RAH1
	135° RAH2
	any degree RAH19*

Product	Code
Running Outlet - 68mm round	
	RCH1
Stopend	
	External REH1
	Internal REH2
Fascia Bracket	
	RKH1

Product	Code
Union Bracket	
	RUH1

*Floplast will fabricate any non-standard angle to special order

68MM ROUND DOWNPIPE & FITTINGS

BS EN 12072:2004 BS 12200-1:2000 BS EN 1462:2004

Product	Code
Pipe	
	2.5m RP2.5
Offset Bend	
	90° RB8
	112.5° RB6
Shoe	
	RB4*
Pipe Clip	
	RC4*
Pipe Socket	
	RC2*
67½° Branch	
	RY1

Product	Code
Access Pipe	
	RX1
Square/Round Downpipe Adaptor	
	RDS2
Universal Hopper	
	Connects to 68mm round and 68mm square downpipes RH1
Ogee Hopper	
	Connects to 68mm round and 68mm square downpipes RH4*
Rectangular Hopper**	
	Connects to 68mm round and 68mm square downpipes RH5*
Cast Iron Fixings*	
	FC50

Product	Code
Fleur-de-Lis	
	40mm FL55 52mm FL70
Tudor Rose	
	40mm TR55 52mm TR70
Decorative Square	
	40mm DS55 52mm DS70
Lion's Head	
	40mm LH55 52mm LH70

*Nuts can be applied to hoppers or running outlets using a proprietary adhesive such as Soudabond MS Polymer.

** This product is rotationally moulded and subject to bowing along its length up to +/- 4%.

*With fixing logs (Requires 2 x FC50 fixings)

*Fixing instructions for the FC50 (Cast Iron Fixing Bolts)

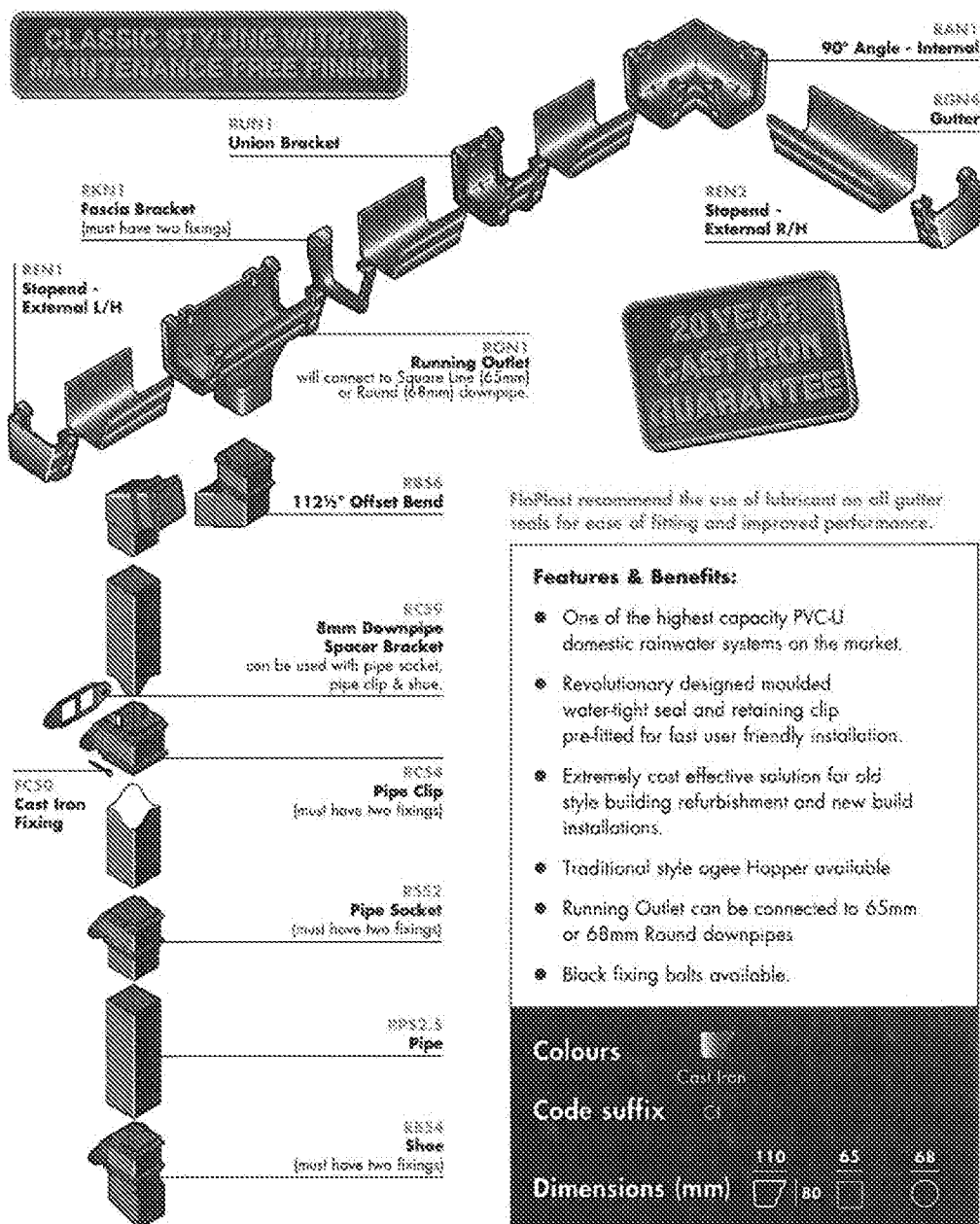
The FC50 is a 12 gauge x 50mm Stainless Steel Bolt, that requires a 12mm, 12 point star head socket to tighten it. When using these fixings on Ogee and Rectangular Hoppers we recommend that a 3/4" top washer is used. When fixing product to concrete, brick, block etc fix FC50 in the same way as any other screw by using a plug type fixing, and into timber by pilot drilling a starter hole first.

www.floplast.co.uk

Cast Iron Style Rainwater and Soil Systems 7

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Niagara OGEE "CAST IRON" STYLE 110MM/65MM/68MM RAINWATER SYSTEM



110MM GUTTER & FITTINGS BS EN 407:2004, BS 12200-1:2004, BS EN 1472:2004

Gutter and pipe code reference numbers refer to length of run: 2.5 metres, 3 metres and 4 metres.

For Ancillaries and Spares see page 10.

Product	Code
Gutter	
	4m: RGN4 3m: RGN3
90° Angle	
	Internal: RAN1
	External: RAN2
135° Angle	
	Internal: RAN3
	External: RAN4

Product	Code
Angle - Any Degree	
	RANP*
Running Outlet - Multi Outlet	
	RON1
Stopend Outlet - 65mm	
	L/R: RGN2
	R/R: RGN3
Union Bracket	
	RUN1

Product	Code
Stopend - External	
	L/R: REN1
	R/R: REN2
Stopend - Internal	
	L/R: REN3
	R/R: REN4
Fascia Bracket	
	RKN1

65MM SQUARE DOWNPIPE & FITTINGS BS EN 407:2004, BS 12200-1:2004, BS EN 1472:2004

Product	Code
Pipe 2.5m	
	RPS2.5
Offset Bend	
	90°: RBSB
	112½°: RBS6
Shoe	
	RBS4*
Pipe Clip	
	RCS4*
Pipe Socket	
	RSS2*
67½° Branch	
	RYS2

Product	Code
Square/Round Downpipe Adaptor	
	RDS2
Universal Hopper	
	Connects to 65mm square & 65mm round downpipes: RH1
Orgee Hopper	
	Connects to 65mm round and 65mm square downpipes: RHA*
Rectangular Hopper**	
	Connects to 65mm round and 65mm square downpipes: RHS*
Cast Iron Fixings*	
	FC50
12 gauge x 50mm stainless steel fixings for "cast iron" Range (socket fixings).	

Product	Code
Fleur-de-Lis	
	60mm: FL55 52mm: FL70
Tudor Rose	
	60mm: TR55 52mm: TR70
Decorative Square	
	60mm: DS55 52mm: DS70
Lion's Head	
	60mm: LH55 52mm: LH70

*Bolts can be applied to hoppers or running outlets using a proprietary adhesive such as Sikaflux MS Polymer.

** This product is rotationally moulded and subject to bowing along its length up to +/-4%.

Please note: Round downpipe can also be used, please see page 5 and 7.

*Fixing instructions for the FC50 (Cast Iron Fixing bolts)

The FC50 is a 12 gauge x 50mm Stainless Steel Bolt, that requires a 2mm, 12 point star head socket to tighten it. When using these fixings on Orgee and Rectangular Hoppers we recommend that a 3/4" lag washer is used. When fixing product to concrete, brick, block or fix FC50 in the same way as any other screw by using a plug type fixing, and into timber by pilot drilling a starter hole first.

FloPlast

"CAST IRON" STYLE HOPPERS R1 EN 12209-1:2000

- Traditional look
- No painting required
- Lightweight and resilient material
- Corrosion free
- Hoppers available in three different styles
- Mats available in 4 different styles to enhance hoppers

*Fixing instructions for the FC50 (Cast Iron fixing bolts)

The FC50 is a 12 gauge x 50mm Stainless Steel Bolt that requires a 12mm 12 point star head socket to tighten it. When using these fixings on Ogee and Rectangular Hoppers we recommend that a 3/4" top washer is used. When fixing product to concrete, brick, block etc the FC50 is the same way as any other screw by using a plug type fixing, and into timber by pilot drilling a starter hole first.

Product Code

Universal Hopper



RH1

Connects to 65mm square & 50mm round downpipes.

Ogee Hopper



RH4

Requires 2 x FC50 fixings per fitting. Connects to 48mm round and 65mm square downpipes.

Rectangular Hopper



RH5

Requires 2 x FC50 fixings per fitting. Connects to 48mm round and 65mm square downpipes. This product is rotationally moulded and subject to bowing along its length up to +/-4%.

ANCILLARIES AND SPARES

Product Code

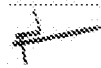
Universal Rainwater Adaptor



Connects to 110mm drainage

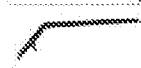
D96

Universal Rise & Fall Bracket



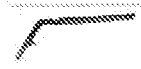
RF1

Rafter Bracket Top Fix



RR1

Rafter Bracket Side Fix



RR2

GutterBrush (black)



Debris eliminator (5m)

GB4

NEW GutterBrush (white)



Debris eliminator (5m)

GB4

FloGuard: Leaf Protection System 5m Pack



FG1

Product Code

Balloon: Leaf Protection System



(Balloon Guard)

OG1

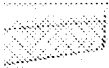
DrainGuard (Black)



Fits round and square downpipes

DG1

Snow / Tile Guard - 2m



SG1

Snow / Tile Guard Bracket



SG2

8mm Universal Fascia Bracket Spacer



(Black/white only)
Suitable for Half Round, Square Line, Niagara Ogee and Hi-Cap gutters only

RS9

8mm Downpipe Spacer Brackets



Only use with RS2, R14 & R16 (Black/white only)

RC9

Fit use with 65mm Round downpipe



Only use with RS2, R14 & R16 (Black/white only)

RCS9

Fit use with 65mm Square downpipes

Product Code

40ml Compressed Silicone Lubricant Spray



SL40

Spare Gutter: Seals



Round

RRS1



Niagara

RRNS1



Hi-Cap

RRHS1

Spare Gutter: Clips



Round

RRC1



Niagara

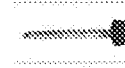
RRNC1



Hi-Cap

RRHC1

Cast Iron Fixings



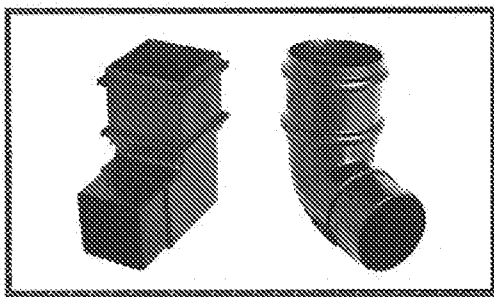
FC50

12 gauge x 50mm stainless steel fixings for "cast iron" Range (socket fixings).

PRODUCT FEATURES

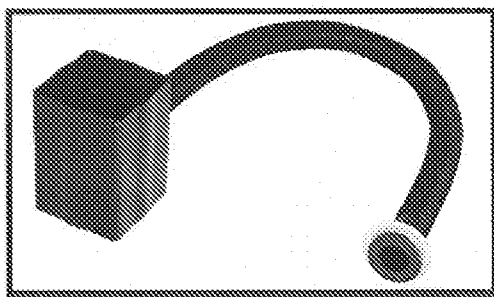
92½ Offset Bends

- Available in both round and square fittings.
- Allows offset to be tighter under the soffit.
- Aids the installation of downpipes in awkward or restricted areas i.e. around corners of buildings.
- Produces a compact installation.
- Lightweight and resilient material.



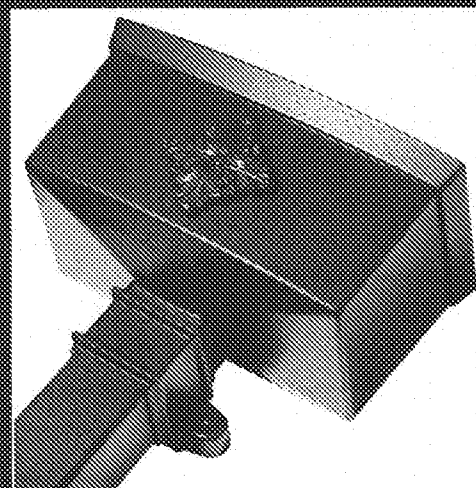
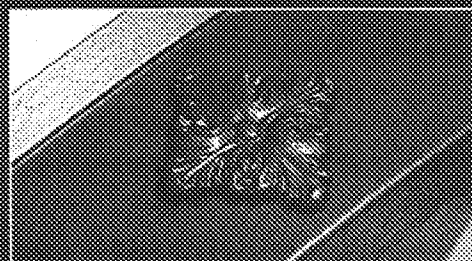
Rainwater Diverter

- Saving water.
- Saving the environment.
- Saving money.
- Easy to fit.
- Prevents excess overflow from the butt; designed to bypass the diverter and continue down the pipe.
- Fits 65mm Square and 68mm PVC-U Rainwater pipes.



Universal Hopper

- Modern design.
- Larger capacity.
- Can be enhanced with "Cast Iron" Style Motifs to give that period feel.
- Corrosion free.



Applications

FloPlast Rainwater Systems are suitable for all applications and types of building, including domestic, commercial and industrial.

Composition

All products are manufactured from unplasticised polyvinyl chloride (PVC-U) and comply with the material requirements of either BS EN 12200-1:2000, BS EN 607:2004 or BS EN 1462:2004 as relevant.

Rainwater gutters and pipes are manufactured by a continuous extrusion process. Fittings are produced on high-pressure injection moulding machines. All fittings are manufactured to close tolerances allowing accurate incorporation of design features.

Accreditation

All of our profiles are manufactured to BS EN 607:2004 (Gutters and fittings), BS EN 12200-1:2000 & BS EN 1329-1:2000 (Downpipes and fittings), BS EN 1462:2004 (Gutter brackets) within a quality management system assessed and registered by British Standards as meeting the requirements of BS EN ISO 9001:2000 (Certificate Number FM 501414).

Supply

Products are available from a national network of distributors and stockists. For details of your local stockist contact our Sales Office on 01795 421422.

Specification, Technical Advice and Design Guidance

A free advisory service is available to offer technical assistance regarding product and installation details. Those involved with the building industry may take advantage of design services provided by the company for customers who have made a commitment to use or specify FloPlast products.

Installation

1. Plan your installation using the component diagrams to assist you in selecting the correct type and quantity of products required.
 - Fascia brackets should be spaced at a maximum of one metre apart on straight gutter runs, (800mm in the case of the Niagara system, 600mm in the case of the Xtraflo system). When using 80mm Round Downpipe with Hi-Cap and Niagara Systems, fascia brackets should be spaced at a maximum of 800mm intervals. In areas where there is the possibility of high levels of snowfall, fascia brackets should be spaced at a maximum of 400mm centres.
 - Angles and stopends should have a fascia bracket within 150mm of the fitting.
 - A supporting pipe clip should be used on shoes, branches and bends where necessary.
 - Support downpipes below offset and at maximum intervals of 1.8 metres.
2. Where necessary remove the old gutter and replace old fascia board with FloPlast low maintenance PVC-UE co-extruded fascia board.
3. Establish the position of the running outlet, usually over an existing drain, and fix securely to fascia board.
4. Fix a fascia bracket 100mm short of furthest point from the outlet. Allow for a fall to the outlet (1:350 is recommended) using a string line.
5. Fixings:
 - Fix fascia and union brackets at required intervals.
 - Fascia brackets should be positioned so as to avoid the fixing screws splitting the top edge of any timber fascia board. All brackets should be secured to the fascia board with two 25mm x 5mm (1" x 10) screws.
 - Unions should be fixed using two 25mm x 5mm (1" x 10) screws.
 - Outlets and angles should be fixed using two 25mm x 5mm (1" x 10) screws where possible.
 - Rainwater downpipe clips, sockets, shoes and hoppers should be fixed using two x FC50

fixings. The FC50 is a 12 gauge x 50mm Stainless Steel bolt, that requires 12mm, 12 point star head socket to tighten it. When using these fixings to attach the Ogee and Rectangular Hopper we advise that a 3/4" top washer is used. It is attached to concrete, brick, block etc in the same way as any other screw by using a plug type fixing, and into timber by pilot drilling a starter hole first.

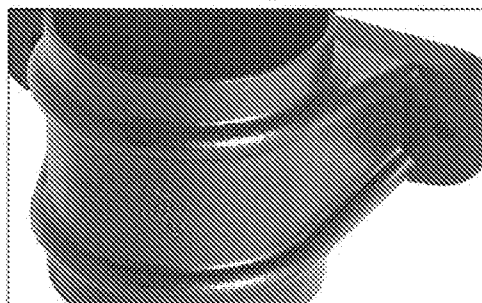
6. Lubricate all gutter seals with FloPlast silicone spray lubricant to ensure an easy fit and to allow for movement caused by expansion and contraction.
7. Working from the running outlet insert the back edge of the gutter under the retaining lip of the wrap around clip. Using slight downward pressure on the gutter, snap the front edge of the retaining clip over the front of the gutter. (Ensure that the marked expansion allowance is kept.)
8. Use a union bracket or angle to join to next gutter length in order to build up a gutter run. Use a stopend to complete the run.
9. Downpipe installation starts at the outlet. If an offset is required use two offset bands with or without a short piece of pipe. Ensure a 6mm gap is left at the top of the downpipe for expansion.

Capacity of Drainage

To select the gutter size appropriate to your requirements, two factors must be taken into consideration.

- Roof Area
- Gutter Flow Capacity

Snow loading statement: In areas of high snow risk, FloPlast strongly recommend using Snow Guard; this will assist in the slow release of melting snow into gutters and prevent snow slippage which is particularly prevalent where slate style tiles are installed. Please see page 5 or visit www.floplast.co.uk.



Carrying Capacities for Gutter

The carrying capacity of gutters varies under differing conditions. The main variables are whether or not the gutter is fitted to a fall and whether the outlet is placed in the centre or at one end of the gutter run.

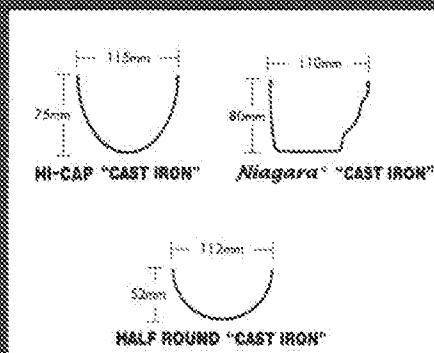
Gutter flow rates will vary according to the type and configuration of downpipe system being used, however downpipe sizing is not a normal design consideration as the downpipe systems manufactured by FloPlast have flow capacities approximately ten times greater than the gutter systems they drain.

The carrying capacities in litres per second for gutters, taking into account the major variables, are specified in the performance table on page 26 of our PVC-U Rainwater Systems brochure.

Pipe Dimensions	Normal Size	Actual OD
Circular	68mm (2 1/4")	68.46mm
Square	68mm (2 1/4")	65mm

Design Data

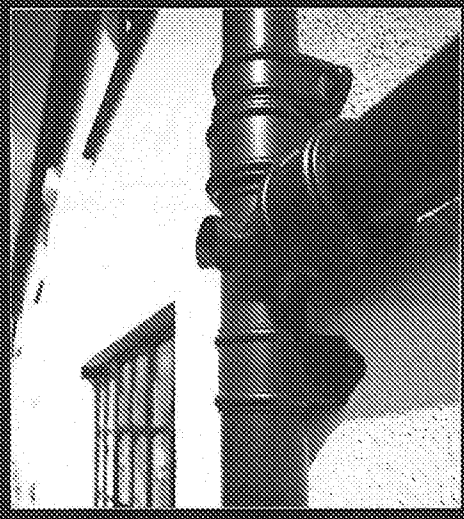
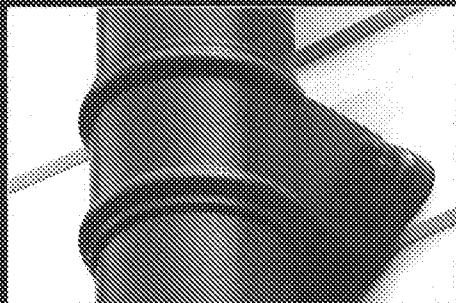
All gutter dimensions are nominal.



For more information on design factors, expansion tests, roof area calculating and flow rates, please see our current PVC-U Rainwater Systems brochure or visit our website at www.floplast.co.uk

"CAST IRON" RING SEAL SOIL SYSTEM PVC-U

- All sockets come complete with a "Cast Iron" Style socket shroud.
- "Cast Iron" Style PVC-U System manufactured to BS EN 1329 - 1:2000, BS 4514:2001
- Traditional 1.8 metre length plain ended pipe
- Pipe clips also replicate the authentic cast iron style
- Strap on bars
- Complements FloPlast's extremely successful Half Round, Hi-Cap and Niagara "Cast Iron" Style Rainwater Systems



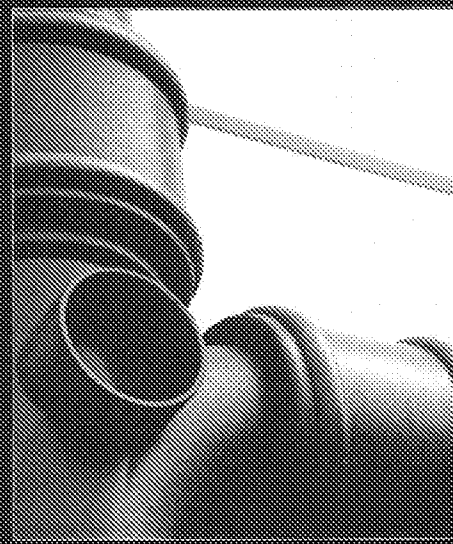
Product	Code
1.8m Pipe - Plain Ended - 110mm	
	SP9
110mm Pipe Coupling (Requires 2 x H165 flange)	
	SP115
Pipe Clip (Requires 2 x H165 flange)	
	SP84
8mm Pipe Spacer Bracket	
	SP89
92 1/2" (87 1/2") Bend (Socket/pipe)	
	SP161*
135" (45") Bend (Socket/pipe)	
	SP163*
92 1/2" (87 1/2") Bend (Double socket)	
	SPS61*
135" (45") Bend (Double/pipe)	
	SPS63*
92 1/2" (87 1/2") Double Branch	
	SP230*
92 1/2" (87 1/2") Branch	
	SP190*
92 1/2" (87 1/2") Branch (Without side bases)	
	SP192*
92 1/2" (87 1/2") Access bend	
	SP169*

Product	Code
Access Pipe (Socket/spigot)	SP27A*
Boss Pipe (Socket/spigot)	SP581*
Strap Boss	SP319
Cast Iron Fixings**	FC65**
110mm Vent Terminal	SP302
110mm Weathering Collar	SP300
500x600mm Weathering Slole	SP320
Flexible Coupling 98-115mm	D102
Boss Adaptor - Rubber Push - Fit	32mm SP10 40mm SP11 50mm SP12
40ml Compressed Silicone Lubricant Spray	SL40
800gm Lubricant Gel	SG800
100gm Silicone Grease	SG100

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 brackets and drill and fix screws before erecting the stack.
- Fix pipe or socket brackets at maximum 1.8m 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.
- The Double Socket Coupling (SP115) and Pipe Clip (SP84) should be fixed using 2 x FC65 fixings. The FC65 is a 12 gauge x 65mm Stainless Steel bolt, that requires 12mm, 12 point star head socket to tighten it.
- The use of silicone lubricant on all seals will facilitate joining.
- The system should incorporate suitable access points to enable testing and maintenance of the system.

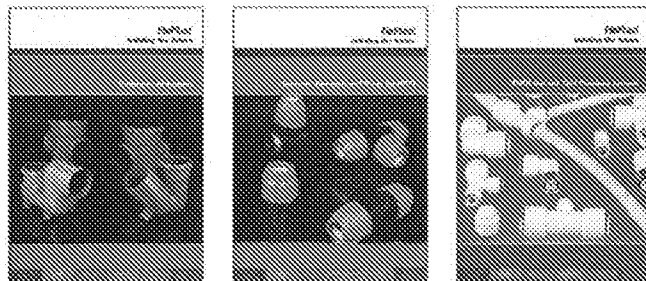
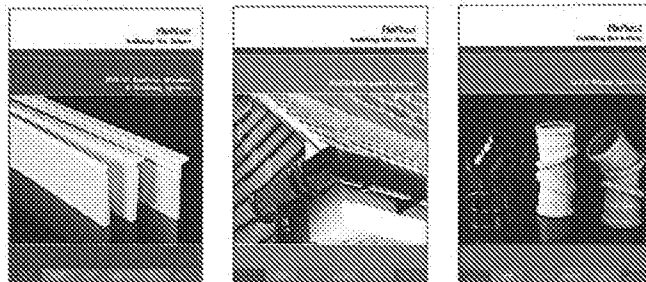


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Other systems available:



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KM 502317



KM 502318



KM 502319



KM 502320



KM 502321



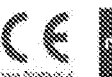
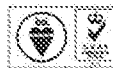
KM 502322



KM 502323



KM 502324



4/08/15

PVC-UE Roofline Window & Cladding Systems	Roofing Systems	Soil & Waste Systems	Underground Drainage Systems	HDPE Systems	Hot & Cold Planting Systems
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