



Product Data



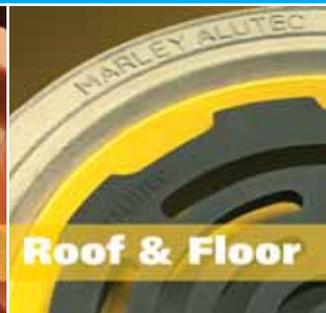
Soil



Waste



Underground



Roof & Floor

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Marley Plumbing and Drainage offer a complete range of above and below ground drainage and hot and cold water supply systems. Systems are manufactured to exacting UK and European standards and designed for commercial and large-scale developments as well as smaller projects.

Products are produced at the Marley Plumbing & Drainage factory in the UK within the BS EN ISO 9001 system of supervision and control of Quality management systems. All products are packed appropriately for shipment to a worldwide network of distributors.



SOIL

- Manufactured to British Standard*
- 82.4mm, 110mm & 160mm
- Floor gullies
- WC connectors
- Plain and socket ended pipe
- Full range of branches and access components.



WASTE

- Manufactured to British Standard*
- Solvent weld systems
- 32mm, 40mm & 50mm
- Range of colours
- Available in ABS and MuPVC
- Waste traps in high temperature resistant polypropylene.



UNDERGROUND

- Manufactured to British Standard*
- 82.4mm, 110mm & 160mm
- Inspection chambers
- Gully and access components
- Plain and socket ended pipe
- Long radius bends for use at the base of the stack.



ALUTEC ROOF OUTLETS

- Aluminium roof outlets
- Dome or flat grates
- Designed for use with bituminous or multi-layer waterproofing membranes
- Comprehensive range of accessories
- Compatible with pipework to British Standard
- Available in four sizes and for a variety of applications.



EQUATOR

- Manufactured to British and European Standard*
- All PE-X system
- The Equator fitting is fully de-mountable and reusable**
- Tamperproof fitting (de-mounting tool required)
- Excellent chemical resistance and long term durability
- 30 year guarantee.

Please see separate guide for details of the Marley Equator range.

* Where applicable

** Internal fitting components must be inspected to ensure they are intact.

Setting the Standard

BS EN ISO 9001: 2000 Quality systems. Model for Quality Assurance in design, development, production, installation and servicing. Registered Firm FM30637.

BS EN ISO 14001: 2004 Environmental Management system

BS4514: 2001: Specification for 82.4mm PVCu soil and ventilating pipes, fittings and accessories.

BS EN 1329: 2000: Plastics piping systems for soil and waste discharge within the building structure – PVCu (110mm & 160mm). NB: This standard replaces BS4514 & BS5255 for all sizes except 82.4mm

BS EN 1455-1:2000: Plastics piping systems for soil and waste within the building structure – ABS

BS EN 1566-1:2000: Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure. Class B - MuPVC

BS EN 1401:1998: Plastic piping systems for non-pressure underground drainage and sewerage – PVCu

BS 7158 2001: Plastic inspection chambers for drains and sewers.

BS 7291: Parts 1&3: 2006: Class S Thermoplastics pipes and associated fittings for hot and cold water for domestic purposes and heating installations in buildings.

Water Regulations Advisory Scheme (**WRAS**): Marley Equator PE-X pipe and fittings, 10mm – 28mm

EN 15875: 2003 PN16 Plastics piping systems for hot and cold water installations – Crosslinked polyethylene (PE-X)



BS 4514 : 2001
BS EN 1329 : 2000
BS EN 1401 : 1998
BS EN 1455-1 : 2000
BS EN 1466-1 : 2000



Certificate No 88/1977
Certificate No 92/R070
Certificate No 94/3985
Certificate No 98/3486



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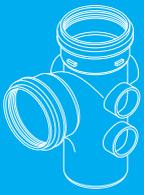
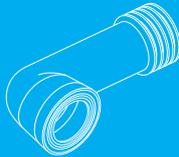


FM30637



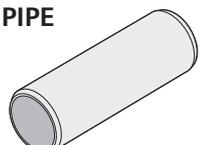
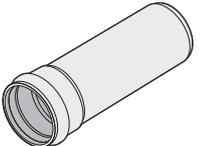
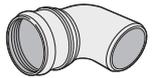
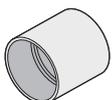
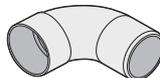
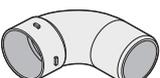
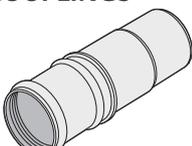
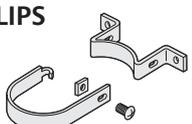
Product selector

Choose the range that best suits your requirements.

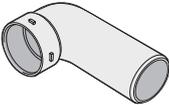
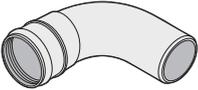
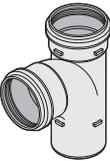
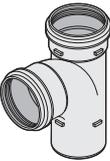
Profile		Size	Colour
<p>SOIL</p> <p>Push-fit and solvent weld soil system incorporating socketed and plain ended pipe.</p>		82mm 110mm 160mm	B G W B G BR G
<p>WC CONNECTORS</p> <p>Connectors for all BS WC pans. Available with solvent weld or push-fit joints.</p>		110mm	W
<p>WC MANIFOLD COMPONENTS</p> <p>The manifold system allows ranges of toilets to be connected horizontally. Ideal for commercial applications.</p>		110mm	W
<p>FLOOR OUTLET COMPONENTS</p> <p>Available as separate components or as an all in one trapped floor outlet.</p>		50mm 82mm	G G
<p>FIRE PROTECTION RANGE</p> <p>Fire sleeves and pipe wraps, providing up to 4 hours rating.</p>		55mm 82mm 110mm 160mm	- - - -
<p>PIPE SUPPORT COMPONENTS</p> <p>Designed specifically to meet the needs of supporting horizontal or vertical suspended PVCu pipework.</p>		110mm 160mm	- -

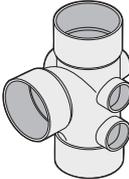
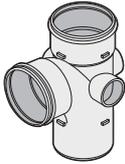
Soil Systems

Push-fit and solvent soil

Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty
PIPE						1000	SC621	G	25
	3m 110	SL403	W B G		Barrel clip collar				
	4m 110	SL404	G		Converts socket clip to pipe clip				
Double spigot						82	SC35	B G	20
	2.5m 110	SP4025	B G		Pipe clip PVCu	110	SC45	W B G BR	50
	3m 82	SP303	B G			82	SC35S	B G	20
	3m 110	SP403	W B G BR		Pipe clip. For use with drive-in spike or backplate	110	RPC1	B G BR	50
	3m 160	SP603	G				RSS1 ^o	G	200
	4m 82	SP304	G		Drive-in spike Galvanised mild steel				
	4m 110	SP404	G				RCB300	W B G BR	100
	4m 160	SP604	G		Backplate				
Push-fit socket					SHORT RADIUS BENDS				
STRAIGHT COUPLINGS	82	SE300	B G	10		87 1/2° 82	SB31	B G	20
	110	SE400	W B G BR	8		87 1/2° 110	SB41	W B G BR	4
	160	SE600	G	4		87 1/2° 160	SFB61 ^o	G	
Loose pipe socket					Push-fit socket/spigot Available to order				
	82	SE305	B			45° 82	SB35	B G	20
	110	SE405	B G	8		45° 110	SB45	W B G BR	4
	160	SE605	G	4		45° 160	SFB65 ^o	G	
Double ring seal slip coupling					Push-fit socket/spigot Available to order				
	82	SES301	G	50		87 1/2° 110	SB411	G	4
	110	SES401	B G	8	Double push-fit socket				
Double solvent socket						87 1/2° 110	SBS41	G	4
COUPLINGS					Solvent socket/spigot				
	110	SE402	G	4	SHORT RADIUS BENDS				
Triple socket						87 1/2° 110	SBS42	B G	4
Allows up to 150mm movement/settlement						45° 110	SBS45	B G	4
CLIPS					Solvent socket/socket				
	110	SC41	B G	50					
	160	SC61	G	50					
Socket clip pvc coated mild steel including nut and bolt									

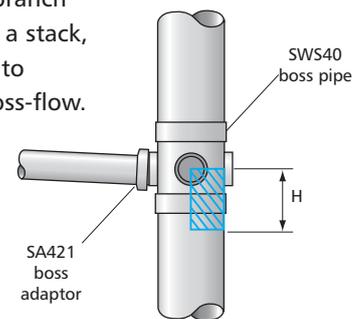
Push-fit and solvent soil

Description	Size (mm)	Code	Colour	Qty
LONG SPIGOT BEND				
 87½°	110	SBS40	W B G	4
Solvent socket/spigot				
ADJUSTABLE BENDS				
				
11°-87½°	82	SB37	B G	10
5°-14°	110	SB46	G	4
21°-90°	110	SB47	B G	4
31°-90°	160	SB67	G	2
Push-fit socket/spigot				
OFFSET BENDS				
 67½°	110	SNE405	W B G BR	4
Push-fit solvent socket				
 67½°	82	SNE300	B G	30
 67½°	160	SNE600	G	30
Push-fit solvent socket				
EQUAL BRANCHES				
 87½°	110	SY401	W B G BR	4
 87½°	160	SY601	G	2
 45°	82	SY36	G	10
 45°	110	SY460	B G	4
 45°	160	SY63	G	2
Push-fit sockets/spigot				
FIVE BOSS BRANCHES				
 87½°	110	SY405	W B G BR	4
Push-fit sockets/spigot				

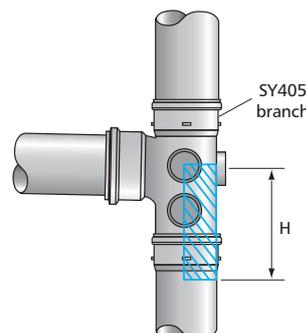
Description	Size (mm)	Code	Colour	Qty
FIVE BOSS BRANCHES				
 87½°	110	SY415	B G	4
Push-fit sockets/solvent socket				
 87½°	110	SY405	B G	4
Triple solvent sockets				
THREE BOSS BRANCH				
 87½°	82	SY33F	B G	6

CROSS-FLOW

Where small diameter branch waste pipes connect to a stack, they must be arranged to eliminate the risk of cross-flow.



To prevent cross flow from a large diameter branch to a smaller waste connection, the waste connection should be made at right angles or at least 200mm below the restricted zone.

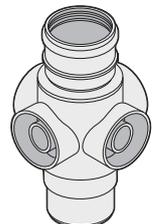
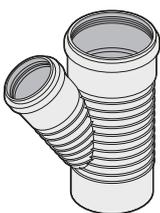
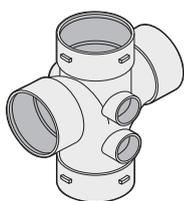
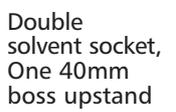
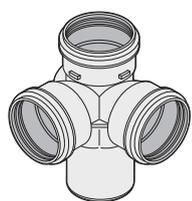
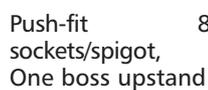
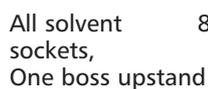


Stack size	Height of zone 'H'
82mm	90mm
110mm	110mm
160mm	250mm

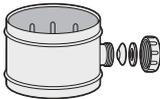
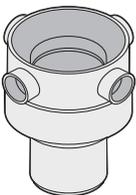
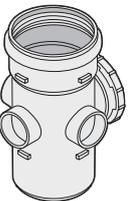
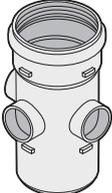
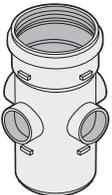
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Soil Systems

Push-fit and solvent soil

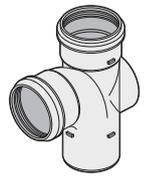
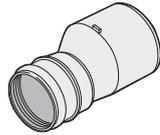
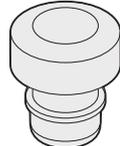
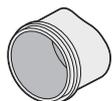
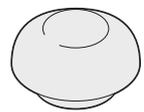
Description	Size (mm)	♥	Code	Colour	Qty	Description	Size (mm)	♥	Code	Colour	Qty		
UNEQUAL BRANCHES						MULTI BRANCH							
	87½°	160x110	SY64	G	2		87½°	160	SW64	G			
Push-fit sockets/spigot							110		SE404	G	4		
	45°	160x110	SY66	G			110		SE45	G	15		
Push-fit sockets/spigot						BOSS PIPES							
DOUBLE BRANCH							87½°	110	♥	SW41	W B G BR	4	
	87½°	110	♥	SY404	G	4		87½°	110	♥	SW415	B G BR	4
Push-fit sockets/spigot 4 boss upstands						BOSS PIPES							
	87½°	110	♥	SYS404	G			45°	110	♥	SWS4135	G	4
All solvent sockets 4 boss upstands							87½°	110		SWS415	W B G BR	4	
CORNER BRANCHES							87½°	110		SWS41	W B G BR	4	
	87½°	110		SFB433	G			87½°	110		SWS42	B G	4
Push-fit sockets/spigot, Two access / boss upstands													
	87½°	110	♥	SY411°	G								
Push-fit sockets/spigot, One boss upstand													
	87½°	110	♥	SYS411°	G								
All solvent sockets, One boss upstand													

Push-fit and solvent soil

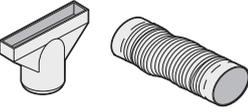
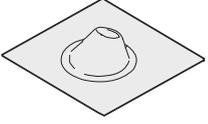
Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty	
BOSS PIPES					BOSS PIPES					
						160	SW60	G		
32mm strap-on boss 90°	110	SWS4150	B G	40	Push-fit socket/spigot Solvent socket					
40mm strap-on boss 90°	110	SWS410	B G	40						
50mm strap-on boss 90°	110	SWS420	B G	30						
					CONDENSATION TRAP					
32mm patch boss	82	SWS332	G	40		110	SCT4 ^o	G	6	
40mm patch boss	82	SWS340	G	40	With 21.5/22mm overflow connection					
50mm patch boss	82	SWS350	G	30						
					ACCESS CAP					
Solvent socket/spigot Collar boss, 4 boss upstands	110	SCB41	G			82	SE30	B G	30	
					With pressure plug	110	SE40	B G BR	50	
						160	SE62	G	5	
					ACCESS PIPES					
87 ¹ / ₂ °	110	UG42S	O			82	SF31	B G	15	
						110	SF41	B G	4	
					Socket/spigot					
										
Double solvent socket 4 boss upstands	110	SWS40	B G	4	Double solvent sockets, 3 boss upstands	110	SFS41	W B G BR	4	
										
Push-fit socket/spigot 3 boss upstands, 1 drilled	82	SW30	B G	15	Double solvent sockets	160	SF611	G	2	
					REAR ACCESS BENDS					
Push-fit socket/spigot 4 boss upstands	110	SW40	W B G	4		87 ¹ / ₂ °	110	SB42	B G BR	4
					Plain					

Soil Systems

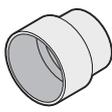
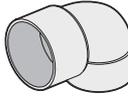
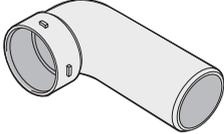
Push-fit and solvent soil

Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty	
REAR ACCESS BENDS  Adjustable	64°-87½°	82	SB38	B G	ECCENTRIC REDUCERS  Solvent socket to 68mm downpipe	82-68	SRM325	B G	30	
 Adjustable Available to order	55°-90°	160	SB620	G	 Solvent socket to boss upstand	82-50	SRM30	B G	90	
REAR ACCESS BRANCHES  2 boss upstands	87½°	110	SY402	B G	4	 Solvent socket to boss upstand	110-50	SRM402	B G	10
 Fixed	87½°	82	SY34F	B G	LEVEL INVERT REDUCERS  Spigot/socket	110x82	SRM304	B G	20	
BOSS CONNECTORS  Solvent weld with push-fit inlet	87½°	32	SA411	W B G BR	50	Spigot/socket	160x110	SRM604	G	4
	87½°	40	SA421	W B G BR	40	CONCENTRIC REDUCER  Spigot to boss upstand	110-50	SE41	B G	18
	87½°	50	SA420	B G	40	AIR ADMITTANCE VALVES  Durgo valve including polystyrene insulating hood	82	SVD3	G	18
 Solvent weld with solvent weld inlet	87½°	40	SA425	B G	50	110	SVD4	G	18	
 Knuckle bend solvent weld	87½°	40	KBK25	W B BR	20	VENT TERMINALS  Roof cowl/vent terminal	110	SVC1	W B G BR	10
	87½°	50	KBK35	W	10					

Push-fit and solvent soil

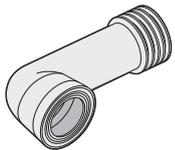
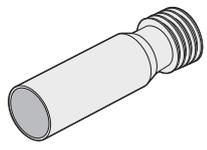
Description	Size (mm)	Code	Colour	Qty
VENT TERMINALS				
	82	SV321	B G	30
	110	SV42	WB G BR	60
	160	SV62 ^o	G	
Vent terminal				
	82	SV31	G	100
	110	SV43	WB G	35
Weathering collar PVCu for solvent joint to pipe				
	110	SV44	B	10
Ridge vent connector				
Fits Marley Roof Tiles' Ventilated and Soil Vent Pipe Terminals. Comprises of an adaptor and flexible piping				
WEATHERING SLATES				
	400	SAS40	G	5
Flat				
	450	SAS45	G	5
Inclined				
	610	SAS61	G	5
Inclined				
ADAPTOR				
	110	SA42	B	
Soil to drain adaptor				
	110	SA110	B	
Waste to drain adaptor				

WC connectors

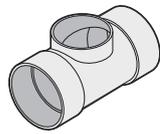
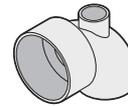
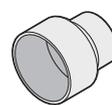
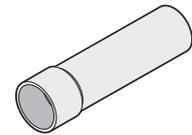
Description	Size (mm)	Code	Colour	Qty
STRAIGHT CONNECTORS				
	14°	SG40	W	
Spigot				
	110	SGS41W	W	20
Solvent socket				
BENT CONNECTORS				
	90°	ST40	W	4
Solvent socket				
	90°	ST41W	W	4
Long spigot				
	85°	STS41W	W	4
Solvent socket				
	90°	SBS40W	W	4
Long spigot/ solvent socket				
WC SEAL AND CAP				
		SA323W	W	70
83-114mm outlet				

Soil Systems

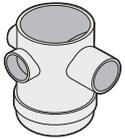
Universal push-fit WC connectors

Description	Size (mm)	Code	Colour	Qty
STRAIGHT CONNECTORS				
	100	SWC11	W	24
	14° 100	SWCB14	W	20
	22° 100	SWC22	W	24
LONG BENT CONNECTOR				
	90° 100	SWCB90	W	10
EXTENSION PIECE				
	100	SWCE33	W	12

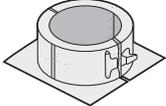
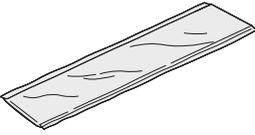
WC manifold components

Description	Size (mm)	Code	Colour	Qty
BRANCH				
 Solvent sockets	110x90	SM41W	W	10
ADJUSTABLE WC BEND				
 50°-90° 50mm boss upstand	90	SM42W	W	15
ADJUSTABLE SPIGOT BEND				
 50°-90° 50mm boss upstand	90	SM43W	W	15
WC CONNECTOR				
 Solvent socket	90	SM44W	W	30
EXTENSION PIPE				
 300mm	90	SM45W	W	50
WC SEAL AND CAP				
 83-114mm outlet		SA323W	W	7

PVCu floor outlets

Description	Size (mm)	Code	Colour	Qty
TRAPPED FLOOR GULLIES  2 x 40mm & 1 x 50mm solvent inlet 90mm solvent outlet	50	SFG42AS	G	8
 3 x 50mm solvent inlet 75mm solvent outlet	82	SFG43AS	G	8
PVC FLOOR TILE  150mm x 150mm		SGG3	G	10
STAINLESS STEEL TILE GRATE AND COVER  Grade 304 stainless steel 150mm x 150mm		SGG4	NU	

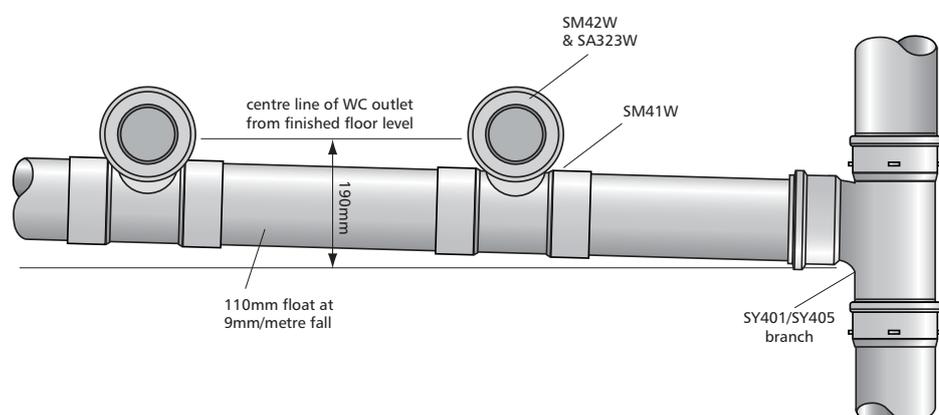
Fire protection

Description	Size (mm)	Code	Colour	Qty
FIRE SLEEVE 	55 110	WFC54 SFC44		1 1
PIPE WRAP 	55 110 160	WFW54 SFW44 SFW64		1 1 1
FIRE COLLAR  Cut to suit	2200	UFC1		1

GOOD IDEAS

WC manifold systems

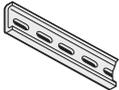
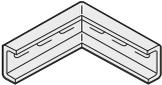
For use in sanitary pipework systems in schools, hospitals, public and commercial buildings, the manifold system allows ranges of toilets to be connected to a horizontal float above floor level and eliminates the need for specially fabricated fittings.



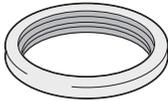
Visit marley.co.uk for more good ideas

Soil Systems

Pipe support systems

Description	Size (mm)	Code	Colour	Qty
TWO PIECE PIPE BRACKET				
	110	JB42	NU	
	160	JB62	NU	
DOUBLE SUPPORT BASE PLATE				
	110	JBP42	NU	
	160	JBP62	NU	
CHANNEL STRIP				
	2000	JCS2	NU	
SINGLE SUPPORT BASE PLATE				
		JDP1	NU	
CHANNEL STRIP ANGLE				
		JCA1	NU	
BARREL CLIP COLLAR				
		SC621	G	
1m PVC strip when cut to length converts pipe bracket to pipe size				
NUTS AND BOLTS				
		RNB11	NU	10
20mm x 6mm				

Ancillary items

Description	Size (mm)	Code	Colour	Qty
SOLVENT CEMENT				
				
Tube	55ml	KS2		
Tub	250ml	KS10		
To BSEN1329, BSEN1401, BSEN1455 & BS4576				
SILICONE LUBRICANT				
				
Tube with sponge applicator	50g	SZ50		
Tube	56g	SZ56		
Tub	100g	SZ100		
Aerosol*	400ml	SZ400		
Tub	500g	SZ500		
Water Research Centre Approved				
SPARE RING SEALS				
				
'O' ring	82	SR31		
	110	SR41		
	160	SR61		
'T' ring	82	SR31T		
	110	SR41T		
	160	SR61T		
	160	UR61T		
To BS EN 681/1				

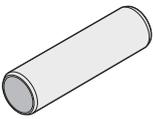
Note: For connecting imperial or metric copper to plastic waste systems to BS 5255 or BS 5254 pipes use the Polypropylene multi-fit waste connector 1 1/4/32 WCC3 and 1 1/4/40 WCC4.

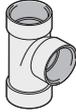
Product selector

Choose the range that best suits your requirements.

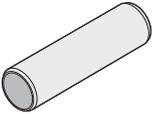
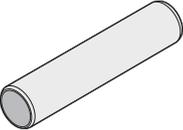
Profile		Size	Colour
SOLVENT WASTE			
MuPVC			
Suitable for internal and external applications. Ideal in situations where fire protection is required.			
		32mm	W B BR
		40mm	W B BR
		50mm	W B
ABS			
Lightweight and cost effective for internal installation. Easy to cut, joint & install			
		32mm	W B G
		40mm	W B G
		50mm	W B G
TRAPS			
A range of traps, which enable quick & easy installation to any new or existing plastic or copper pipework.			
		32mm	W
		40mm	W
		50mm	W

Solvent waste MuPVC

Description	Size (mm)	Code	Colour	Qty
PIPE				
	4m 32	KP104	W B BR	10
	4m 40	KP204	W B BR	10
	4m 50	KP304	W B	5
Double spigot				
STRAIGHT COUPLINGS				
	32	KSC1	W B BR	10
	40	KSC2	W B BR	10
	50	KSC3	W B	10
Expansion/adaptor				
	32	KEC1	W	10
	40	KEC2	W	10
	50	KEC3	W	10
CLIPS				
	32	KF1	W B BR	10
	40	KF2	W B BR	10
	50	KF3	W B	10
Open PVCu				
	32	WC3	W B	10
	40	WC4	W B	10
	50	WC5	W	80
	Saddle ABS			
BENDS				
	88 1/2° 32	KB1	W B BR	10
	88 1/2° 40	KB2	W B BR	10
	88 1/2° 50	KB3	W B	10
	45° 32	KB12	W B BR	10
	45° 40	KB22	W B BR	10
	45° 50	KB32	W B	10
	45° 32	KBA12	W	10
	45° 40	KBA22	W	10
Spigot				
	90° 40	KBK25	W B BR	20
	90° 50	KBK35	W	10
Knuckle bend/boss adaptor				
KBK35 is a Radius Bend which can solvent weld over a boss upstand				
	87 1/2° 32	KBS1	W	20
	87 1/2° 40	KBS2	W	20
Long spigot				

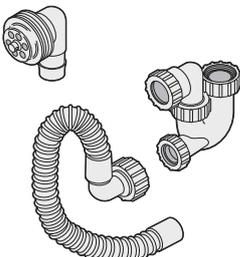
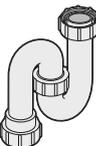
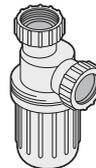
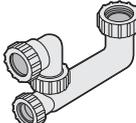
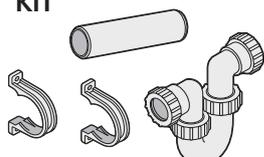
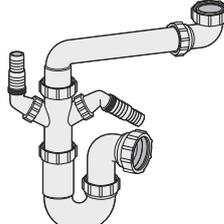
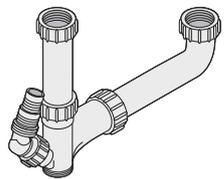
Description	Size (mm)	Code	Colour	Qty
TEES				
	88 1/2° 32	KT1	W B BR	10
	88 1/2° 40	KT2	W B BR	10
	88 1/2° 50	KT3	W B	10
Double spigot				
	45° 40	KT21	W	10
	45° 50	KT31	W	10
	88 1/2° 40	KXT21	W	10
	88 1/2° 50	KXT31	W	10
ACCESS PLUG				
	32	KAP1	W B BR	10
	40	KAP2	W B BR	10
	50	KAP3	W B	10
SOCKET REDUCERS				
	32 to 21.5mm 32	KR175	W	10
	40 to 32mm 40	KR210	W B BR	10
	50 to 32mm 50	KR310	W B	10
	50 to 40mm 50	KR320	W B	10
IRON ADAPTORS				
	Female 32	KFA1	W	10
	Female 40	KFA2	W	10
	Female 50	KFA3	W	10
	Male 32	KMA1	W	10
	Male 40	KMA2	W	10
	Male 50	KMA3	W	10

Solvent waste ABS

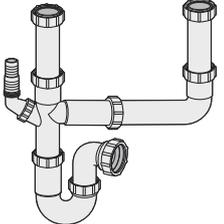
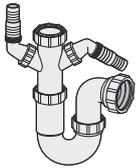
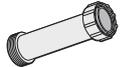
Description	Size (mm)	♥	Code	Colour	Qty	Description	Size (mm)	♥	Code	Colour	Qty		
PIPE						BENDS							
	3m	32	♥	WAP33	W B G	10		90°	32	♥	WAB33	W B G	10
	3m	40	♥	WAP43	W B G	10		90°	40	♥	WAB43	W B G	10
	3m	50	♥	WAP53	W B G	5	Knuckle bend						
	4m	32	♥	WAP34	W	10	ACCESS PLUG						
	4m	40	♥	WAP44	W	10		32	♥	WAA3	W B G	10	
	4m	50	♥	WAP54	W	5		40	♥	WAA4	W B G	10	
STRAIGHT COUPLINGS							50	♥	WAA5	W B G	10		
	32	♥	WAC3	W B G	10	TEES							
	40	♥	WAC4	W B G	10		88 ¹ / ₂ °	32	♥	WAT3	W B G	10	
	50	♥	WAC5	W B G	10		88 ¹ / ₂ °	40	♥	WAT4	W B G	10	
STRAIGHT COUPLINGS							88 ¹ / ₂ °	50	♥	WAT5	W B G	10	
	32	♥	WAC31	W	10	SOCKET REDUCERS							
	40	♥	WAC41	W	10		40 to 32mm	40	♥	WAR43	W B G	10	
	50	♥	KEC3	W	10		50 to 32mm	50	♥	WAR53	W B G	10	
CLIPS							50 to 40mm	50	♥	WAR54	W B G	10	
	32	♥	KF1	W B G	10	IRON ADAPTORS							
	40	♥	KF2	W B G	10		Female	32	♥	WAF3	W	10	
	50	♥	KF3	W B G	10		40	♥	WAF4	W	10		
Open PVCu							50	♥	WAF5	W	10		
	32	♥	WC3	W B G	10		Male	32	♥	WAM3	W	10	
	40	♥	WC4	W B G	10		40	♥	WAM4	W	10		
	50	♥	WC5	W	80		50	♥	WAM5	W	10		
Saddle ABS						CAP AND LINING							
	88 ¹ / ₂ °	32	♥	WAB3	W B G	10		32	♥	WAM31	W G	10	
	88 ¹ / ₂ °	40	♥	WAB4	W B G	10	Spigot						
	88 ¹ / ₂ °	50	♥	WAB5	W B G	10		45°	32	♥	WAB32	W	10
	45°	32	♥	WAB31	W B G	10		45°	40	♥	WAB42	W	10
	45°	40	♥	WAB41	W B G	10	Colour Key: W=White B=Black G=Grey BR=Brown						
	45°	50	♥	WAB51	W B G	10	MuPVC Solvent weld system is manufactured to BS 5255 ABS Solvent weld system is manufactured to BS 5255/BS EN 1455-1						



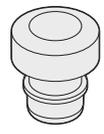
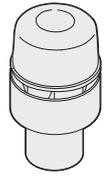
Traps

Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty
TUBULAR P 	32	WPT3W	W	35	LOW INLET TUBULAR P 	40	WPL43W	W	15
	40	WPT4W	W	30					
TUBULAR S 	32	WST3W	W	30	With overflow pipe and outlet 	40	WPL43W	W	15
	40	WST4W	W	25					
BOTTLES  Standard	32	WBT3W	W	35	SHALLOW BATH  Seal depth 20mm	40	WSB4W	W	50
	40	WBT4W	W	30					
 Monitor anti-syphon	32	WBA3W	W	35	LOW LEVEL BATH P  With a 40mm access Accepts WOP2W overflow pipe Seal depth 50mm	40	WBP42W	W	25
	40	WBA4W	W	30					
SLIMLINE PEDESTAL 	32	KPT32XR	W	75	WASHING MACHINE KIT  Includes 550mm upstand and two clips	40	WPW4W	W	25
SHOWER TRAP  Chrome grille White grille Seal depth 50mm	40	WSHT4W	W		SINGLE BOWL KIT 	40	WPK3XR	W	
	40	KST4XR	W						
LOW INLET TUBULAR P  Plain	40	WPL41W	W	35	1.5 BOWL SINK KIT 	40	WPK4XR	W	
With 40mm access Accepts WOP1W overflow pipe	40	WPL42W	W	25					

Traps

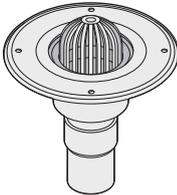
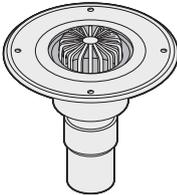
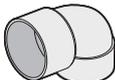
Description	Size (mm)	Code	Colour	Qty
DOUBLE BOWL SINK KIT 	40	WPK5XR	W	
DOUBLE NOZZLE TRAP 	40	WPD4W	W	
RUNNING P 	40	WPR4W	W	25
	50	WPR5W ^o	W	
TRAP INLET HEIGHT ADJUSTER 	32	WTA3W	W	60
	40	WTA4W	W	100
WASHING MACHINE TEE 	40	WTW4W	W	100
UNIVERSAL TRAP BEND  <p>Converts P to S trap</p>	32	WTB3W	W	10
	40	WTB4W	W	10
FLEXIBLE OVERFLOW PIPE  <p>Pipe only</p>	40	WOP1W	W	100
	40	WOP2W	W	100
OVERFLOW OUTLET  <p>Chrome plated face</p>	40	WBO1W	W	100
OVERFLOW MANIFOLD  <p>21.5mm/22mm multi-fit inlets</p>	40	WBO2W ^o	W	

Accessories

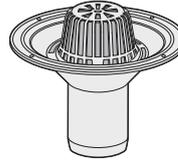
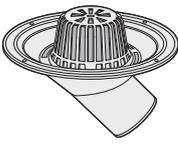
Description	Size (mm)	Code	Colour	Qty
AIR ADMITTANCE VALVES  <p>Durgo valve Including polystyrene insulating hood</p>	50	SVD2	W	32
 <p>Marley valve Including adaptor to 50mm and 32mm</p>	40	SVM12 ^o	W	
VENT TERMINAL 	50	RV225	W B G	30

Roof Outlets

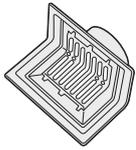
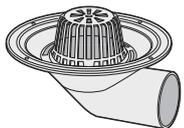
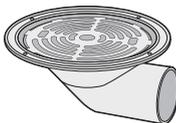
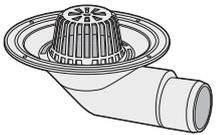
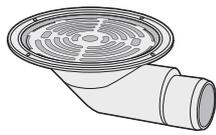
PVCu flat roof outlets

Description	Size (mm)	Code	Colour	Qty
FLAT ROOF OUTLET 	68	ROF25	G	3
Items are supplied bagged loose for site assembly				
BALCONY OUTLET 	68	ROB25	G	3
Items are supplied bagged loose for site assembly				
UNIVERSAL FLANGE 		SOF1	G	5
Flange is 3mm thick				
FLAT ROOF OUTLET GRATING 		SOF12	G	25
For use with SOF1				
BALCONY OUTLET GRATING 		SOB1	G	35
For use with SOF1				
STRAIGHT FLANGE CONNECTOR 	82 110	SGS31G SGS41W	G W	20 20
BENT FLANGE CONNECTOR 	110	STS41W	W	4
Socket/socket				

Aluminium roof outlets^o

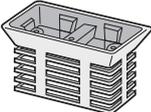
Description	Size (mm)	Code	Colour	Qty
VERTICAL (DOME GRATE) 	50 75 100 150	DR215 DR315 DR415 DR615	Y/B Y/B Y/B Y/B	
Threaded socket				
VERTICAL (FLAT GRATE) 	50 75 100 150	DR215F DR315F DR415F DR615F	Y/B Y/B Y/B Y/B	
Threaded socket				
VERTICAL (DOME GRATE) 	50 75 100 150	DR210 DR310 DR410 DR610	Y/B Y/B Y/B Y/B	
Plain spigot				
VERTICAL (FLAT GRATE) 	50 75 100 150	DR210F DR310F DR410F DR610F	Y/B Y/B Y/B Y/B	
Plain spigot				
45° (DOME GRATE) 	50 75 100	DR225 DR325 DR425	Y/B Y/B Y/B	
Threaded socket				
45° (FLAT GRATE) 	50 75 100	DR225F DR325F DR425F	Y/B Y/B Y/B	
Threaded socket				
45° (DOME GRATE) 	50 75 100	DR220 DR320 DR420	Y/B Y/B Y/B	
Plain spigot				

Aluminium roof outlets°

Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty
45° (FLAT GRATE)  Plain spigot	50	DR220F	Y/B		TWO-WAY  Threaded socket	50	DR250	Y/B	
	75	DR320F	Y/B			75	DR350	Y/B	
	100	DR420F	Y/B			100	DR450	Y/B	
90° (DOME GRATE)  Threaded socket	50	DR235	Y/B		CAR PARK  Threaded socket	100	DR480	Y/B	
	75	DR335	Y/B						
	100	DR435	Y/B						
	150	DR635	Y/B						
90° (FLAT GRATE)  Threaded socket	50	DR235F	Y/B		GULLY  Plain spigot	75	DR370	Y/B	
	75	DR335F	Y/B			100	DR470	Y/B	
	100	DR435F	Y/B						
	150	DR635F	Y/B						
90° (DOME GRATE)  Plain spigot	50	DR230	Y/B						
	75	DR330	Y/B						
	100	DR430	Y/B						
90° (FLAT GRATE)  Plain spigot	50	DR230F	Y/B						
	75	DR330F	Y/B						
	100	DR430F	Y/B						
BALCONY  Plain spigot	50	DR260	Y/B						
	75	DR360	Y/B						
	100	DR460	Y/B						
SHALLOW BALCONY  Plain spigot	50	DR265	Y/B						
	75	DR365	Y/B						

Roof Outlets

Aluminium roof outlet accessories°

Description	Size (mm)	Code	Colour	Qty	Description	Size (mm)	Code	Colour	Qty
THREADED ADAPTORS  300mm long For use with threaded roof outlets	50	DRA2	NU		DECK SUPPORT  520 x 520mm	50	DRH3	NU	
	75	DRA3	NU			75	DRH3	NU	
	100	DRA4	NU		DECK SUPPORT  620 x 620mm	100	DRH4	NU	
	150	DRA6	NU			150	DRH4	NU	
EXTENSION RING  125mm maximum extension Bolts supplied	50	DRE3	NU		PVCu ADAPTOR  For use with 50mm spigot roof outlets	50	DRH5	NU	
	75	DRE3	NU			ANTI-VORTEX FINS  Dome grate not included	50	DRH6	NU
	100	DRE4	NU		75		DRH6	NU	
	150	DRE4	NU		100	DRH7	NU		
BALCONY OUTLET EXTENSION RING  117mm maximum extension Bolts supplied	50	DRE6	NU		150	DRH7	NU		
	75	DRE6	NU		GULLY OUTLET EXTENSION RING  125mm maximum extension Bolts supplied	75	DRE7	NU	
	100	DRE6	NU			100	DRE7	NU	
TERRACE GRATE  230 x 230mm Bolts supplied	50	DRG8	NU		OVERFLOW UNIT KIT  Bolts supplied	50	DRH1	B	
	75	DRG8	NU			75	DRH1	B	
	100	DRG8	NU			100	DRH2	B	
	150	DRG8	NU			150	DRH2	B	

Aluminium roof outlet spares^o

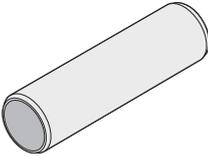
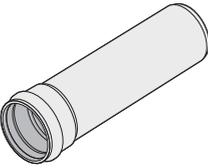
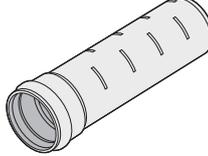
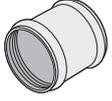
Description	Size (mm)	Code	Colour	Qty
DOME GRATE				
	50	DRG1	NU	
	75	DRG1	NU	
	100	DRG2	NU	
	150	DRG2	NU	
FLAT GRATE				
	50	DRG3	NU	
	75	DRG3	NU	
	100	DRG4	NU	
	150	DRG4	NU	
CAR PARK OUTLET RAISING RING				
	100	DRE1	NU	

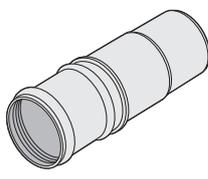
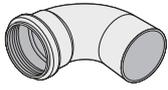
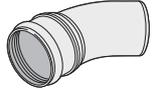
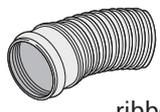
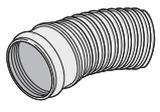
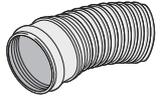
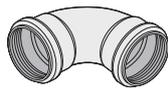
Underground Drainage Systems

Product selector

Profile		Size
SOLID WALL PIPE Suitable for use in domestic drains and public and private sewers. Perforated pipe available in 110mm diameter.		82mm 110mm 160mm
SOLID WALL FITTINGS For use with solid wall pipe. A number of fittings are also suitable for use with 150mm Quantum Sewer pipe.		82mm 110mm 160mm

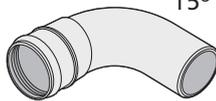
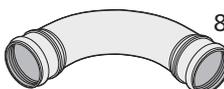
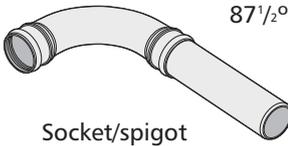
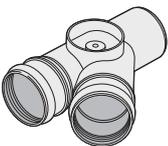
Solid wall drainage systems

Description	Size (mm)	 	Code	Colour	Qty
PIPE					
	3m 110	 	UL403	O	
	6m 110	 	UL406	O	
	6m 160	 	UL606	O	
Double spigot					
	3m 82		UP303	O	
	3m 110	 	UP403	O	
	3m 160	 	UP603	O	
	6m 110	 	UP406	O	
	6m 160	 	UP606	O	
Push fit socket					
PERFORATED PIPE					
	6m 110		UPP406	O	
Push fit socket					
STRAIGHT COUPLINGS					
	110		UE407	O	20
Push fit polypropylene ring seal (Supplied in U.V. resistant polythene bags)					
	110	 	UE406	O	8
	160	 	UME15C	O	4
Push fit coupling					
STRAIGHT COUPLINGS					
	82		UE305	O	
	110	 	UE405	O	8
	160	 	UME16C	O	4
Push fit slip coupling					
STRAIGHT COUPLINGS					
	82		UE300	O	30
	110	 	UE400	O	8
	160	 	UE600	O	4
Loose pipe socket					

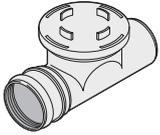
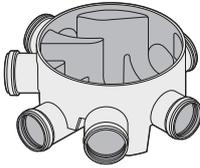
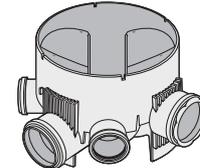
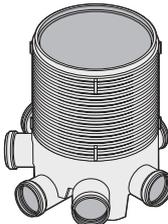
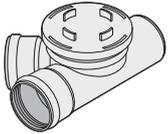
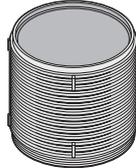
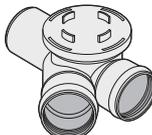
Description	Size (mm)	 	Code	Colour	Qty
STRAIGHT COUPLINGS					
	110	 	UE402	O	4
Triple socket Allows up to 150mm movement/settlement					
SHORT RADIUS BENDS					
	87 ¹ / ₂ ° 82		UB31	O	4
	87 ¹ / ₂ ° 110	 	UB41	O	4
	87 ¹ / ₂ ° 160	 	UFB61 ^o	O	
Socket/spigot					
	45° 82		UB35	O	20
	45° 110	 	UB45	O	4
	45° 160	 	UFB65	O	
Socket/spigot					
	ribbed 45° 110		UB45R	O	4
	Socket/spigot				
	ribbed 30° 110		UB430R	O	4
	30° 160		UB69	O	
Socket/spigot					
	ribbed 15° 110		UB415R	O	4
	15° 160		UB68	O	
Socket/spigot					
	87 ¹ / ₂ ° 110	 	UB411	O	4
	87 ¹ / ₂ ° 160		UMB19C	O	
Socket/spigot					
	45° 160		UMB14C	O	
Socket/spigot					
	ribbed 45° 110		UB455R	O	4
Socket/socket					

Underground Drainage Systems

Solid wall drainage systems

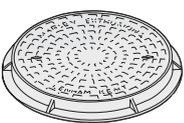
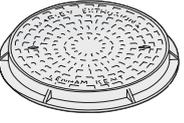
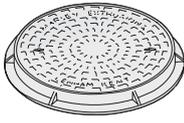
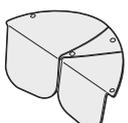
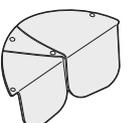
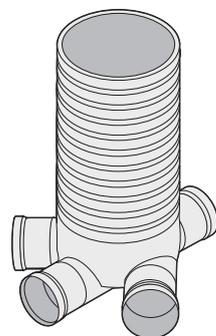
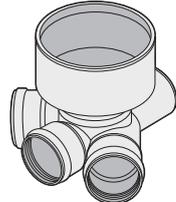
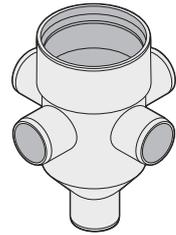
Description	Size (mm)	 	Code	Colour	Qty	Description	Size (mm)	 	Code	Colour	Qty	
SHORT RADIUS BENDS						EQUAL BRANCHES						
	ribbed 30°	110		UB4300R	O		45°	110		UY466	O	4
	30°	160		UMB13C	O		45°	160		UMY11C	O	2
	ribbed 15°	110		UB4155R	O		ribbed 45°	110		UY466R	O	4
	15°	160		UMB11C	O		All Socket					
ADJUSTABLE BENDS						EQUAL BRANCHES						
	11° - 87½°	82		UB37	O		87½°	110		UY400	O	4
	21° - 90°	110		UB47	O		87½°	160		UMY13C	O	2
	15° - 90°	160		UB67	O		All socket					
LONG RADIUS BENDS						UNEQUAL BRANCHES						
	87½°	110	 	UBL488	O		ribbed 87½°	110		UY400R	O	4
	Socket/socket						All socket					
	87½°	110	 	UBL49	O	UNEQUAL BRANCHES						
	Socket/spigot with 900mm tail							45°	160x110	 	UY66	O
EQUAL BRANCHES								87½°	160x110		UY64	O
	45°	82		UY36	O		Socket/spigot					
	45°	110	 	UY46	O	UNEQUAL BRANCHES						
	45°	160	 	UY63	O		45°	160x110		UMY10C	O	2
	ribbed 45°	110		UY46R	O			87½°	160x110		UMY12C	O
	87½°	110		UY401	O	All socket						
	87½°	160		UY601	O							
	ribbed 87½°	110		UY401R	O							

Solid wall drainage systems

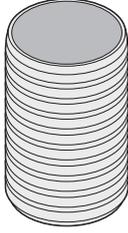
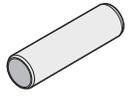
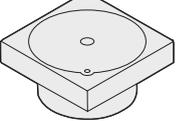
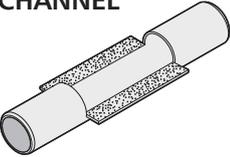
Description	Size (mm)	 	Code	Colour	Qty	Description	Size (mm)	 	Code	Colour	Qty
ACCESS PIPE 	110	 	UF42	O	4	450MM INSPECTION CHAMBER BASES  max invert depth 1.2m	110		UCC3	B	
Socket/spigot						 max invert depth 4m (when used with UCR3) all socket connections	160		UCC5	B	
REAR ACCESS BEND 	87 1/2°		UB42	O	4	CHAMBER RISER  400mm high Includes one 450mm seal	110		UCR2	B	
Socket/spigot						DEEP INSPECTION CHAMBER  All socket connections	110		UCC3D	B	
ACCESS BRANCHES 45° equal Left hand 	110	 	UY471	O		DEEP INSPECTION CHAMBER RISER  For use with UCC3D or UCC5 when invert depth is greater than 1.2m. Max invert depth 4m 480mm high Includes one 450mm seal	110		UCR3	B	
45° equal Right hand 	110	 	UY472	O							
Socket/spigot											
RODDING POINT 	45° 110	 	URP1	O	10						
	45° 160		URP2C	O	4						
Socketted with black cover											
ACCESS CAP AND PRESSURE PLUG 	110		UE42	O	50						
	160		UE62	O	15						
PRESSURE PLUG 	110		UE43	O	135						
	160		UE64	O	30						
SOCKET PLUG 	110		SE41	G B	18						
1 boss upstand											

Underground Drainage Systems

Solid wall drainage systems

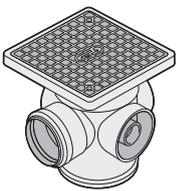
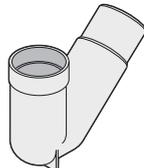
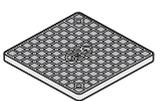
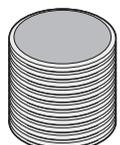
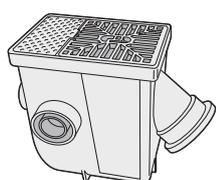
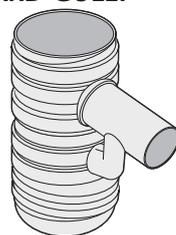
Description	Size (mm)	 	Code	Colour	Qty
REDUCED ACCESS RING  Provides 350mm restricted opening. Snap lock connection to the frame of the UCL35PP	110		UCLRR	B	
CAST IRON COVER AND FRAME  3.5 tonnes (A15 loading)	450		UCL35	B	1
POLYPROPYLENE COVER AND FRAME 	450		UCL35PP	B	1
DUCTILE IRON LID AND CAST IRON FRAME 	450		UCL125	B	1
CHAMBER RISER CLIP 			UCC10		10
DEEP INSPECTION CHAMBER RISER CLIP 			UCC10D		10
INSPECTION CHAMBER INSERTS  Left hand  Right hand For use with UCC5 Inspection chamber	160		UCB1	B	
	160		UCB2	B	
SPARE BLANKING PLUG 	110 160		UCP1 UCP2	B B	70
SPARE RING SEAL 	450		SR450	B	
250MM LEVEL INVERT INSPECTION CHAMBER  Max invert, depth 600mm All socket connections	110		UCC7	O	
250MM DOUBLE BRANCH CHAMBER BASE 	110		UAC44	O	
45° equal connectors Includes two socket plugs					
DOUBLE BOTTOM OUTLET CHAMBER BODY 	110		UAC02	O	
45° equal connections 4 x 110mm upstands, 3 drilled					

Solid wall drainage systems

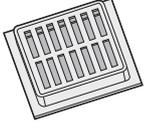
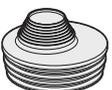
Description	Size (mm)	 	Code	Colour	Qty	Description	Size (mm)	 	Code	Colour	Qty
CHAMBER RISER  375mm long For use with UAC02 & UAC044	250	 	UAR1	O		SLIPPER BENDS  45° Left hand double spigot	110		USB41	O	
LIFTING HANDLE 	110		KP204W	W	10	 45° Right hand double spigot	110		USB42	O	
PVCu LID AND FRAME  A15 loading	250		UCL2	O		LEVEL INVERT REDUCERS  Spigot/socket	110-82	 	URM304	O	4
SPARE RING SEAL  Optional for UCL2 PVCu lid	250		SR250	B		Spigot/socket	160-110	 	URM604	O	4
SQUARE LID & FRAME  A15 loading	300		UCL3	O		ECCENTRIC REDUCERS  Solvent socket to boss upstand	82-50		SRM30	B G	90
STRAIGHT DOUBLE SPIGOT OPEN CHANNEL  1.5m long, with 600mm opening	110		UCC4	O		 Solvent socket to 68mm downpipe	82-68		SRM325	B G	30
LONG RADIUS CHANNEL BEND  Socket/socket	110		UCB48L	O		 Solvent socket to boss upstand	110-50		SRM402	B G	10
						 Solvent socket to 68mm downpipe	110-68		URM425	O	10
						CONCENTRIC REDUCER  Spigot to boss upstand	110-50		SE41	B G	18

Underground Drainage Systems

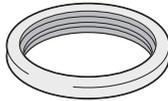
Solid wall drainage systems

Description	Size (mm)	 	Code	Colour	Qty	Description	Size (mm)	 	Code	Colour	Qty
BOTTLE GULLY						GULLY TRAP BASE					
											
Bottle gully	110		UG50	O		45° outlet	110		UG44	O	4
Bottle gully with back inlet open	110		UG50D	O		RECTANGULAR HOPPER					
Bottle gully with sealed access lid	110		UG50SA	O			110		UG47	O	4
A15 loading						2 boss upstands					
SPARE BOTTLE GULLY GRID						SQUARE HOPPER					
											
Grid	110		UG51	O		2 boss upstands	110		UG48	O	4
Sealed access grid	110		UG51SA	O		GRATING COMPONENTS					
For use with UG50 bottle gully											
BOTTLE GULLY RAISING PIECE						Grating assembly					
							110		UG45	O	30
110			UG52	O		Spare grating suits UG40, 45, 47 & 48					
COMPACT GULLY						110					
							110		UG46	O	20
45° outlet						Spare back plate suits UG40 & UG47					
							110		UG49	O	20
'P' TRAP GULLY						INLET RAISING PIECES					
											
81½° outlet						2 x 82mm upstands	110		UWS43	O	4
											
						4 boss upstands	110		UW401	O	4
YARD GULLY						YARD GULLY					
											
87½°	110		UG42S	O		634mm deep x 315mm diameter	110		UYG40	O	

Solid wall drainage systems

Description	Size (mm)	 	Code	Colour	Qty
GRATING AND FRAME FOR YARD GULLY  BS EN 124 class B125 12.5 tonnes	110		UYG42	O	
ADAPTORS  PVCu pipe socket to salt glazed/pitch fibre pipe socket	110	 	UA41	O	4
 Salt glazed/cast iron spigot to PVCu spigot	110		UA47	O	
 Socket/socket to suit thin wall clayware spigot pipe	110		UCA40	B	
Socket/socket to suit thick wall clayware pipe	110		UCA41	B	
ADAPTORS  Rainwater to 110mm drain	110		UA42	B	
 Universal waste to 110mm drain	110		UA43	B	

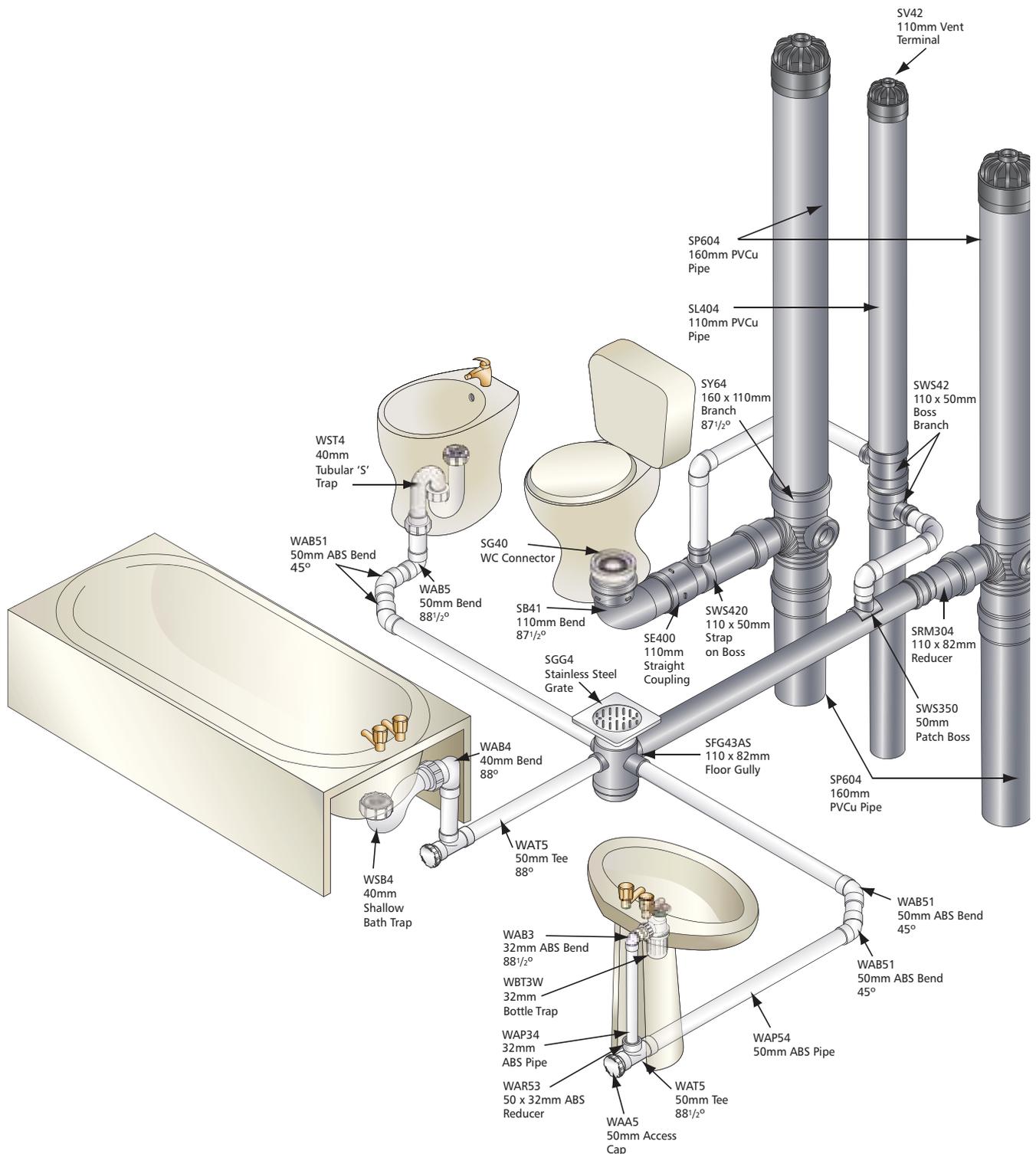
Ancillary items

Description	Size (mm)	 	Code	Colour	Qty
SOLVENT CEMENT  Tube 55ml Tub 250ml To BSEN1329, BSEN1401, BSEN1455 & BS4576			KS2 KS10		
SILICONE LUBRICANT  Tube with sponge applicator Tube Tub Aerosol* Tub Water Research Centre Approved			50g 56g 100g 400ml 500g SZ50 SZ56 SZ100 SZ400 SZ500		
SPARE RING SEALS  'O' ring 'T' ring To BS EN 681/1			82 110 160 82 110 160 160 SR31 SR41 SR61 SR31T SR41T SR61T UR61T		
SNAP CAP 	160		SNC6		

Soil and waste systems

Typical soil & waste layout

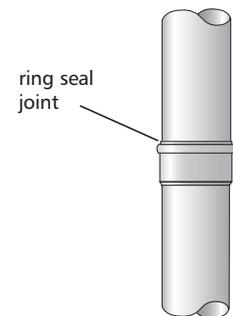
Shown below is a typical bathroom installation using Marley Plumbing & Drainage products. The installation consists of a separate soil and waste stack, which may not be required in all applications where one stack will suffice. This diagram shows a range of ways of connecting waste to a soil stack and the typical connections to appliances.



Soil and waste systems

Joining

Soil systems are ring seal jointed. It is important that the pipe is fully pushed into the socket, except when allowing for thermal movement (see below). Waste systems are solvent weld jointed, using expansion couplings where necessary.



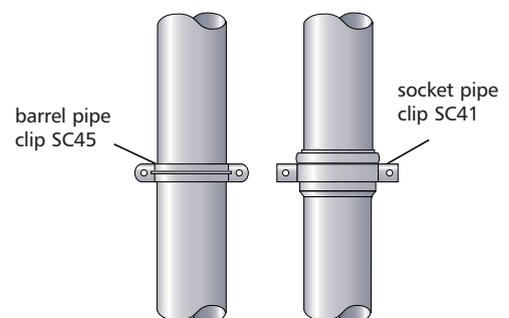
Sizing of soil stacks

It is recommended that the guidance given within BS12056, part 3 be adopted when sizing soil stacks. Marley Plumbing & Drainage offer a range of soil and waste pipework in sizes up to 160mm which generally covers all the requirements of high rise buildings commonly constructed in the Gulf region. For further details about methods of soil stack sizing contact the Technical hotline: +44 (0)1622 852695.

Pipe support

Plastic coated metal socket clips, SC41 are designed to fit ring seal sockets and act as an anchor bracket. PVCu brackets are used as an intermediate support, SC45.

The table below indicates the maximum recommended support centres:

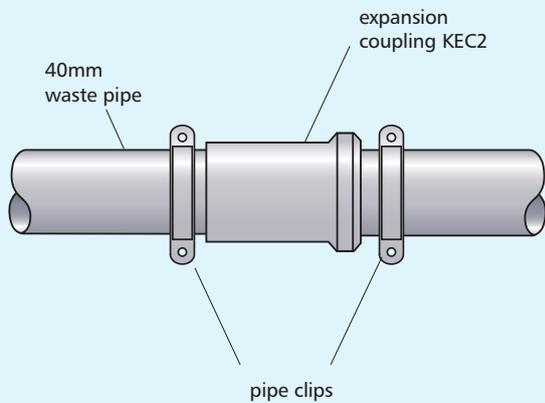


Pipe material	BS Nominal pipe size	Horizontal support (m)	Vertical support (m)
PVCu	21.5	0.50	1.20
Polypropylene	32	0.50	1.20
	40	0.50	1.20
MUPVC	32	0.50	1.20
ABS	40	0.50	1.20
	50	0.60	1.20
PVCu	82	1.00	2.00
	110	1.00	2.00
	160	1.20	2.00

Thermal movement

A 3m length of PVCu pipe will increase in length by approximately 3.6mm when subjected to a 20°C temperature variation. Therefore it is important to ensure that any movement is controlled and ring seal joints are installed to accommodate any expansion. Fig 1.

Waste systems should include an expansion coupling where pipe length exceeds 1.8m or between fixed points. Fig 2.



Typical floor detail showing installation method to accommodate for thermal movement at each floor level

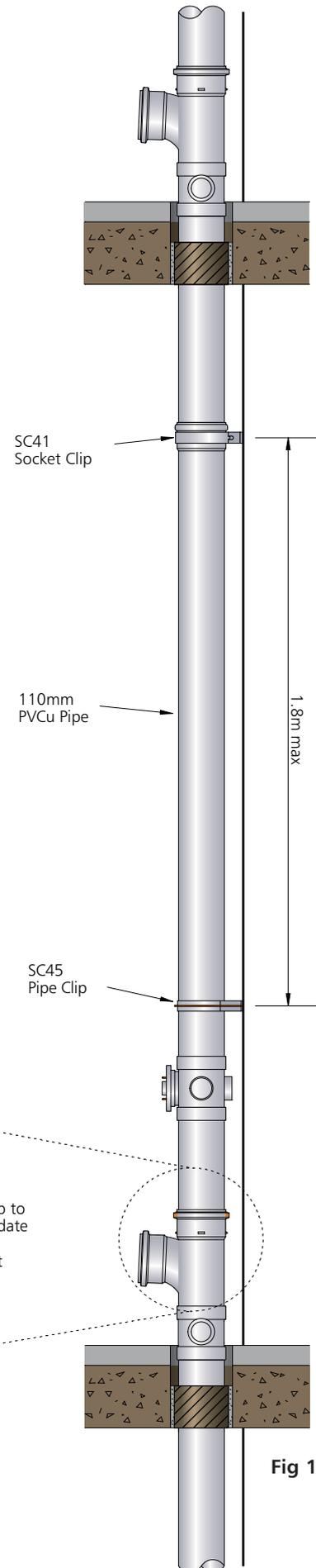
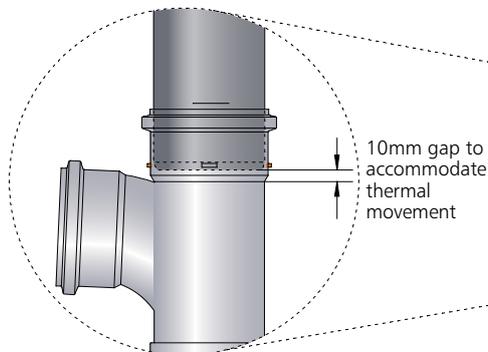
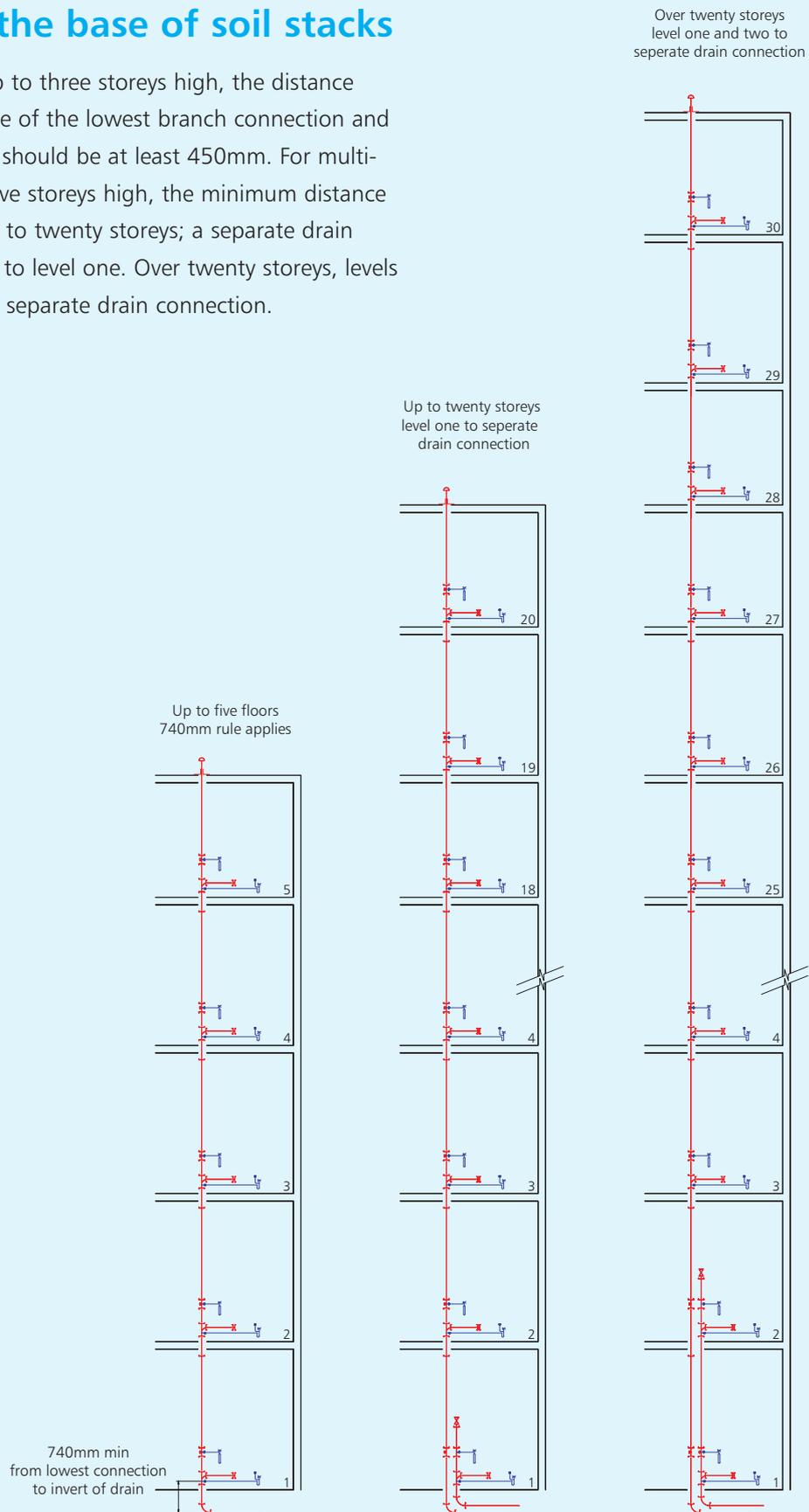


Fig 1

Branches at the base of soil stacks

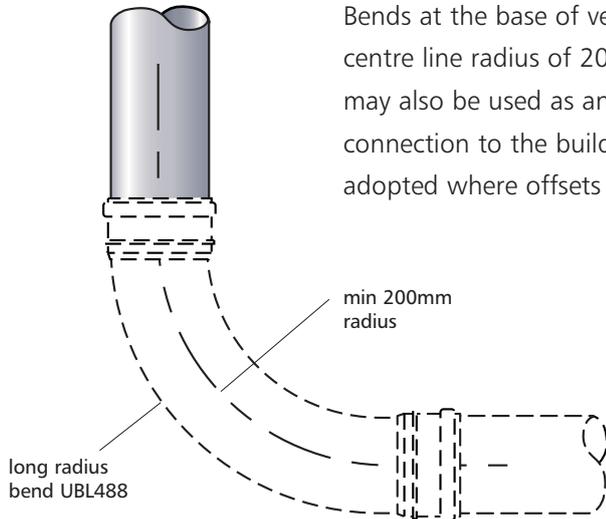
For single dwellings up to three storeys high, the distance between the centre line of the lowest branch connection and the invert of the drain should be at least 450mm. For multi-storey systems up to five storeys high, the minimum distance should be 740mm, up to twenty storeys; a separate drain connection is required to level one. Over twenty storeys, levels one and two require a separate drain connection.



Soil and waste systems

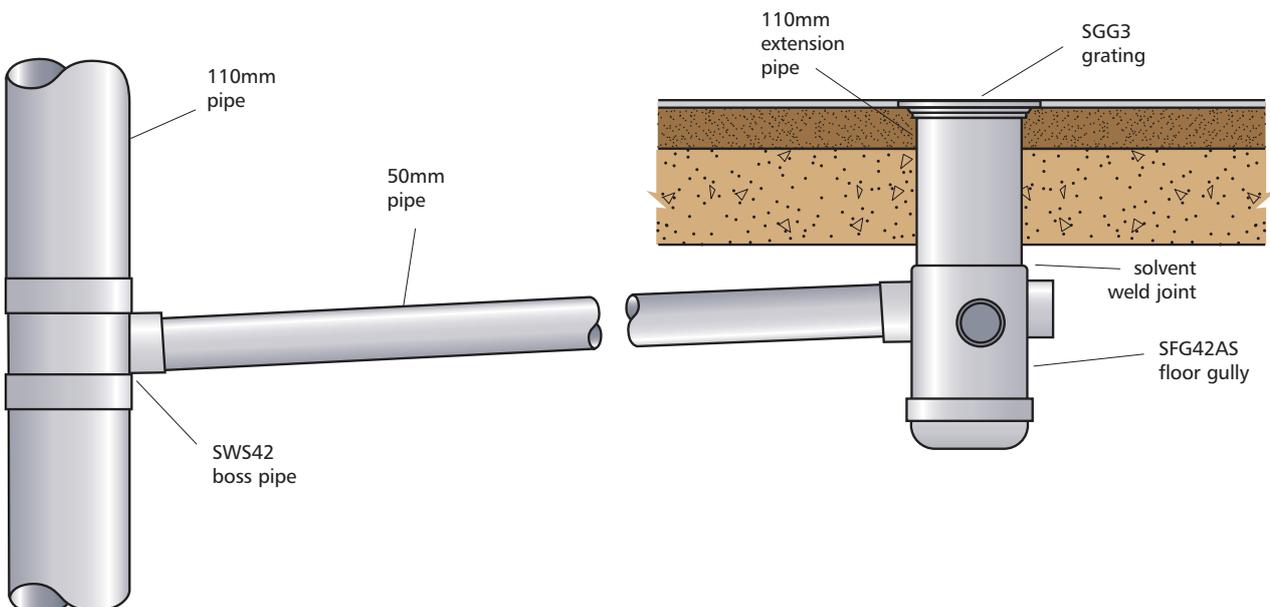
Bends at the base of soil stacks

Bends at the base of vertical stacks should be of long radius and have a minimum centre line radius of 200mm on a 110mm nominal size stack. Two 45° bends may also be used as an alternative to provide the change of direction and connection to the building drain. The same design principle should also be adopted where offsets occur in stacks of one or more storey height.



Floor gully

Trapped floor gullies are suitable for use as a shower outlet in bathrooms, wet rooms or as floor gullies for washdown areas in domestic, public and commercial buildings. The floor gully either has a 50mm or 82.4mm outlet, with three waste pipe inlets. The SFG42AS and SFG43AS provide a minimum 75mm water seal. The fitting is supplied with a loose base so that the body height can be reduced for casting in a shallow slab. A stainless steel grating, SGG4 or PVCu grating, SGG3 are available.



Roof Outlets

The Alutec range of aluminium roof outlets can be used with all types of bituminous or multi-layer waterproofing membranes.

Connection

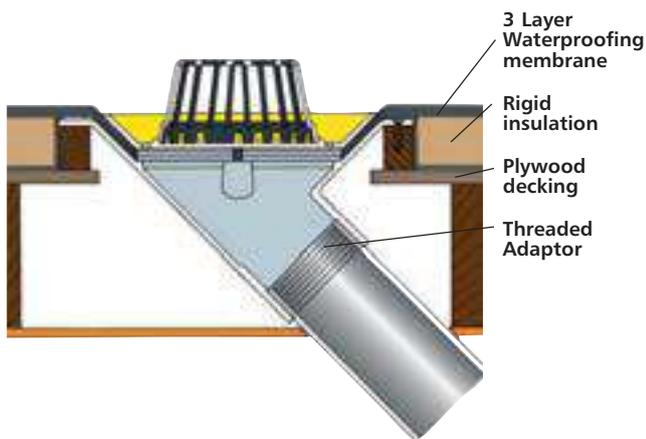
A threaded outlet (female BSP thread) and threaded adaptor should be used where an additional length of spigot is required, ie. where the joint to pipework is located within the concrete slab or in an inaccessible roof void.

Outlets with a plain spigot are suitable for direct connection to BS4514:2001/BS EN 1329:2000 pipework. 50mm pipework requires adaptor DRH5.

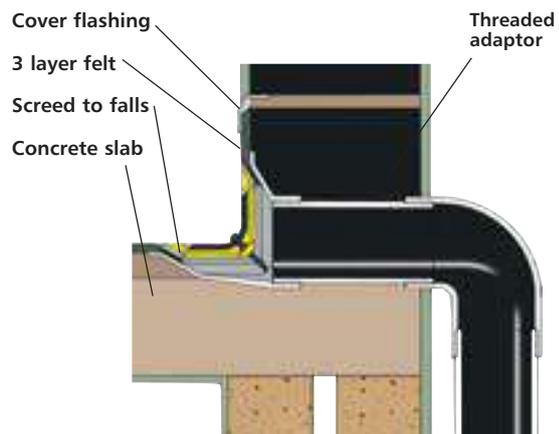


Typical applications

Warm roof application
45° threaded outlet

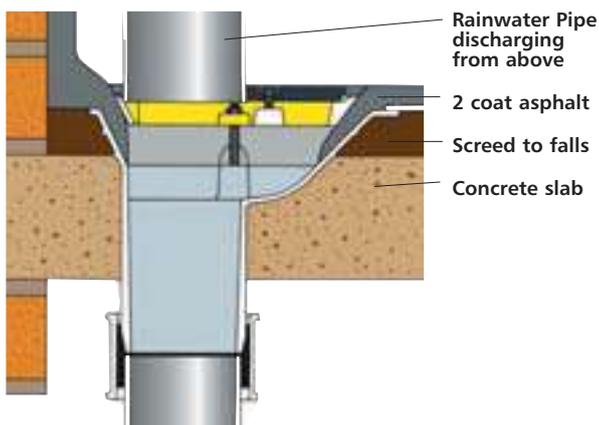


Horizontal cold roof application
Two way outlet

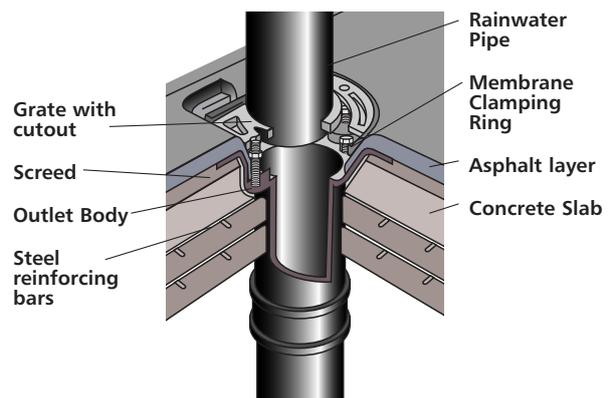


Cold roof application

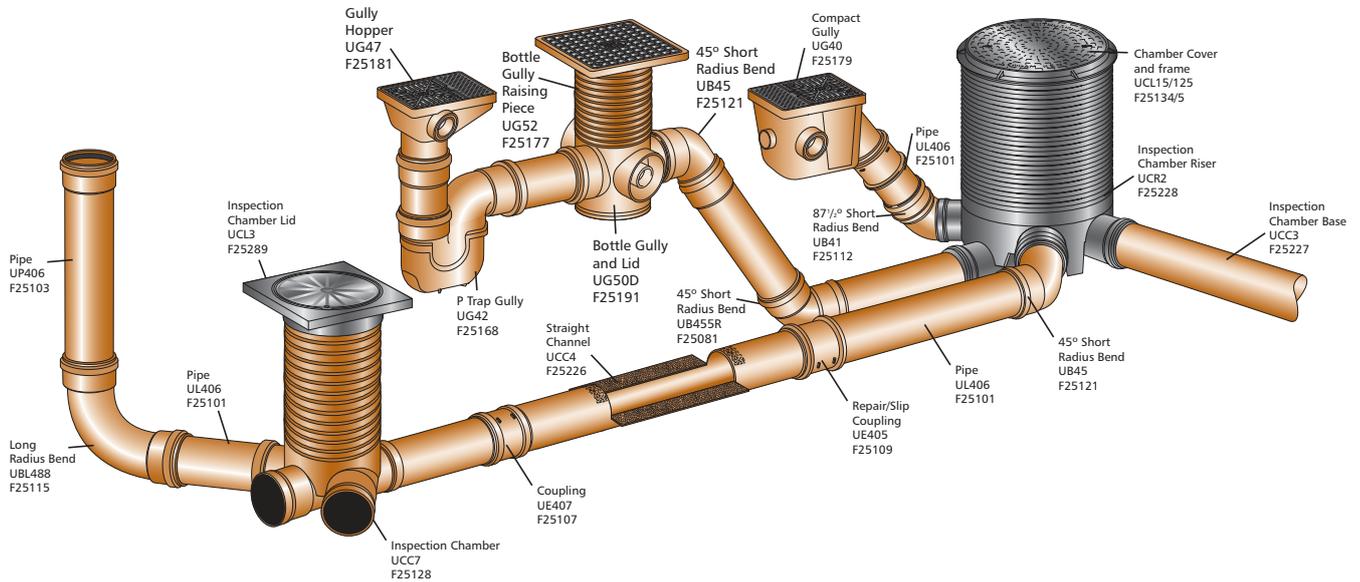
Balcony outlet with grate cut out



Shadow balcony outlet



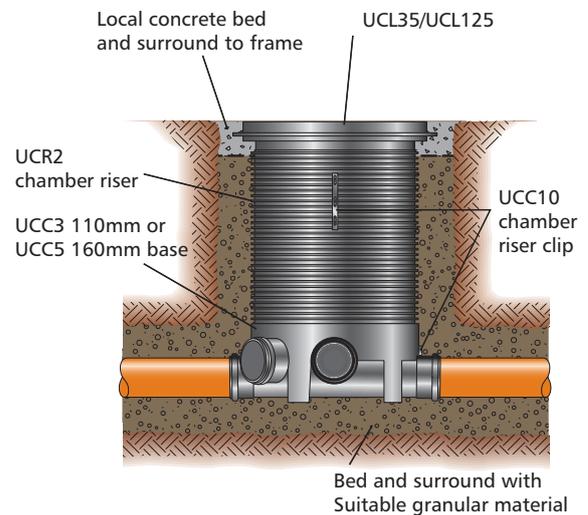
Underground drainage systems



Access components

Access is required to drainage installations for testing, inspection and removal of debris. Access to drainage, allowing rodding in both directions, can be provided by inspection chambers. Rodding eyes provide access for clearance of debris in the direction of flow only and should only be used in conjunction with an access chamber or manhole at a point downstream. Generally speaking, access should be provided at all changes in direction, gradient or pipe size, unless rods can pass through unimpeded.

A range of access components are available, including the 450mm inspection chamber (shown here) which can be used as an alternative to traditional manholes for depths up to 1.2 metres.



Gullies

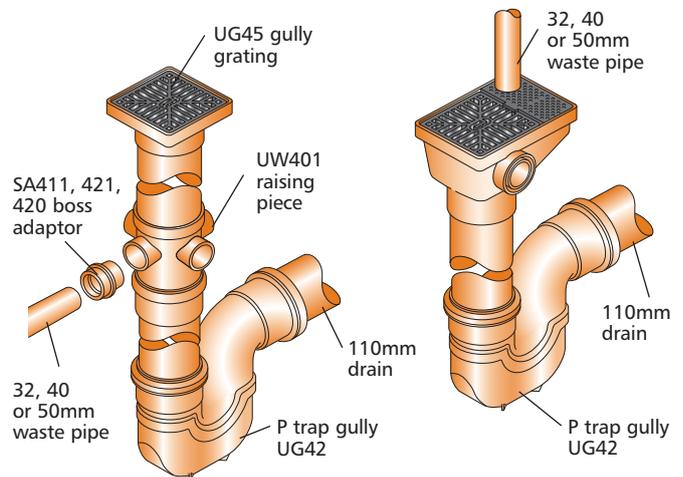
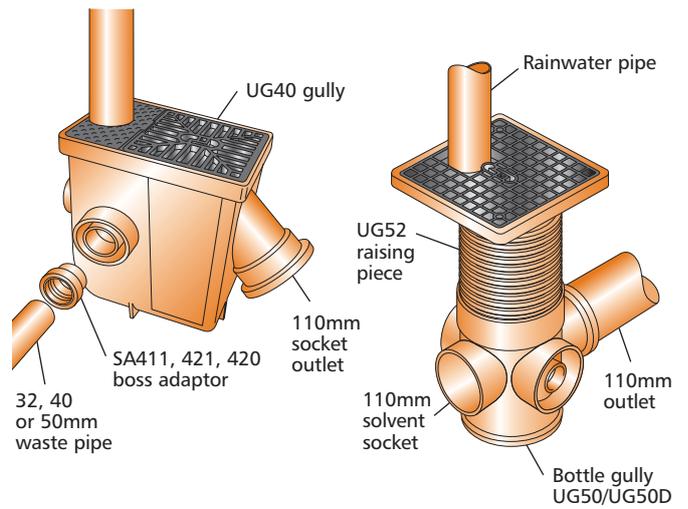
Gullies, used as a method of collecting surface water to discharge to a drain. If an untrapped gully is used (sometimes necessary due to space restriction), it must be trapped using a UG42, UG42S or UG44 before entering the drainage system.

The Marley bottle gully is ideal for new or replacement installations. Accepts waste and rainwater pipes.

A fully rotating gully body allows the outlet to face the required direction of the drain connection.

A removable rubber plug provides access for cleaning.

A comprehensive range of gullies are available, see page 30.



COLOUR KEY:

W: White B: Black G: Grey BR: Brown Y/B: Yellow & Blue NU: Neutral BL: Blue O: Orange

STANDARDS

British Standards

A wide range of components featured in this guide conform to British Standard Specifications, many items bear the British Standards Institution's Kite Mark symbol, , as indicated throughout this price list. The presence of this mark on, or in relation to, a product is an assurance that the goods have been produced under a system of supervision, control and testing, operated during manufacture and including periodical inspection of the manufacturer's works in accordance with the Certification Mark Scheme.

○ Products indicated by this symbol comprise of components not covered by Marley Plumbing and Drainage BS EN ISO 9001 Scope of Registration. However these products have been fully inspected and tested in accordance with our own Quality Management System requirements.

Agrément Certificates

Certain components and systems illustrated in this guide have been independently assessed and are the subject of certification by the British Board of Agrément. These items are indicated by the BBA symbol, , throughout this price list.

Copies of Marley Plumbing & Drainage BBA Certificates are freely available from the Company upon request or by logging on to marley.co.uk.

PRODUCT INFORMATION

External Installation

Where ABS components are to be installed externally they must be painted to protect them from direct sunlight.

Traps

Marley Polypropylene tubular traps are manufactured to the requirements of BS 3943 : 1979. All traps have a universal seal outlet for use with plastic small diameter sanitary pipework manufactured to BS 5255, BS 5254, Metric light gauge copper tube to BS 2871, Part 1, or Imperial copper tube to BS 659 : 1967.

Bath Trap

BS EN 12056 : 2000 – recommends a trap water seal of not less than 40 mm. However, the WSB4W Bath Trap is offered to meet a customer demand in areas where a 20 mm trap water seal is found acceptable.

NOTE:

Marley Plumbing & Drainage products are manufactured to a constant high standard. The Company will not therefore accept responsibility for failure of any installation which includes components not supplied by us.



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