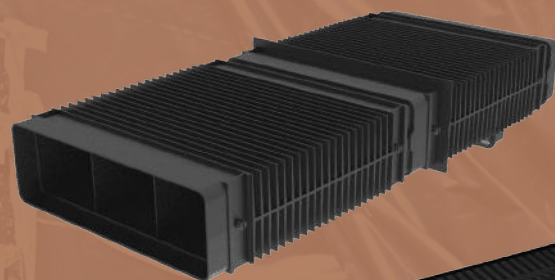
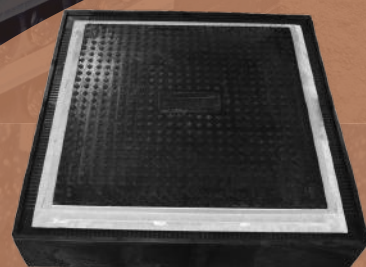


PRODUCT DIRECTORY

*Modular Manhole Chamber
Sections, Ladders, Ground
Reinforcement Grids,
Attenuation Systems and
more*



Modular Manhole Chamber Sections

EasyLiner

A15 LOADING SECTIONS - LIGHT DUTY, PEDESTRIAN

Code	Description	Load Class	Unit weight Kgs	No. per pallet
MEL30	EasyLiner Pairs 300x320mm		1.16	192
MEL45	EasyLiner Pairs 450x320mm		1.62	128
MEL60	EasyLiner Pairs 600x320mm		2.04	96
MEL3030A	EasyLiner Assembled Rings 300x300x320mm	A15	2.32	54
MEL4530A	EasyLiner Assembled Rings 300x450x320mm	A15	2.78	36
MEL4545A	EasyLiner Assembled Rings 450x450x320mm	A15	3.24	24
MEL6045A	EasyLiner Assembled Rings 600x450x320mm	A15	3.66	18
MEL6060A	EasyLiner Assembled Rings 600x600x320mm	A15	4.08	12



EasyLiner and Atlas are modular chamber systems that can be easily installed and are ideal for lighter duty loading applications of A15-C250. The rings come with pre-formed knockouts for duct entry. They can both be supplied as flat-packed pairs for transport ease and cost-effectiveness.

B125-C250 LOADING SECTIONS

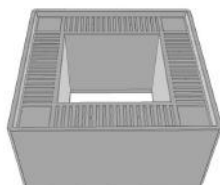
Atlas

Code	Description	Load	Unit weight Kgs	No. per pallet
MATLAS30	Atlas FLAT PACK pairs - 300mm Atlas pair		1.40	126
MATLAS45	Atlas FLAT PACK pairs - 450mm Atlas pair		1.82	84
MATLAS60	Atlas FLAT PACK pairs - 600mm Atlas pair		2.24	60
MATLAS75	Atlas FLAT PACK pairs - 750mm Atlas pair		2.54	42
MATLAS90	Atlas FLAT PACK pairs - 900mm Atlas pair		2.84	42
MATLAS105	Atlas FLAT PACK pairs - 1050mm Atlas pair		4.22	42
MATLAS120	Atlas FLAT PACK pairs - 1200mm Atlas pair		4.64	42
MATLAS135	Atlas FLAT PACK pairs - 350mm Atlas pair		5.06	42
MA30n30x1	Atlas ASSEMBLED RINGS - 300x300mm Atlas ring	B125	2.80	72
MA45n30x1	Atlas ASSEMBLED RINGS - 450x300mm Atlas ring	B125	3.22	56
MA45n45x1	Atlas ASSEMBLED RINGS - 450x450mm Atlas ring	B125	3.64	42
MA60n45x1	Atlas ASSEMBLED RINGS - 600x450mm Atlas ring	B125	4.06	32
MA75n60x1	Atlas ASSEMBLED RINGS - 750x600mm Atlas ring	B125	4.78	18
MA75n75x1	Atlas ASSEMBLED RINGS - 750x750mm Atlas ring	B125	5.08	18
MA90n45x1	Atlas ASSEMBLED RINGS - 900x450mm Atlas ring	B125	4.66	30
MA90n60x1	Atlas ASSEMBLED RINGS - 900x600mm Atlas ring	B125	5.08	22
MA90n75x1	Atlas ASSEMBLED RINGS - 900x750mm Atlas ring	B125	5.38	24
MA90n90x1	Atlas ASSEMBLED RINGS - 900x900mm Atlas ring	C250	5.68	13
MA120n75x1	Atlas ASSEMBLED RINGS - 1200x750mm Atlas ring	C250	7.18	16
MA120n120x1	Atlas ASSEMBLED RINGS - 1200x1200mm Atlas ring	C250	9.28	14



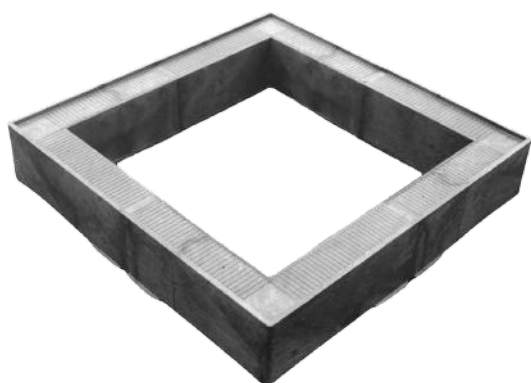
ME151525	SV - 150x150x25 mm deep ring	C250	0,40	800
ME1515050	SV - 150x150x50 mm deep ring	C250	0,68	400
ME1515150	SV - 150x150x150 mm deep ring	C250	1,80	120
ME1717100	SV - 170x170x100 mm deep ring	C250	1,95	120
ME1717150	SV - 170x170x150 mm deep ring	C250	2,80	72
ME2323100	SV - 230x230x100 mm deep ring	C250	2,52	90
ME2323150	SV - 230x230x150 mm deep ring	C250	3,73	54
MEBASE	BASE UNIVERSAL for 170x170 and 230x230	C250	2,30	190
ME3823150	380x230x150 mm ring	D400	4,95	105
ME432825	HYDRANT 430x280x25 mm deep	DD400	1,15	250
ME432850	HYDRANT 430x280x50 mm deep	D400	1,93	125
ME432875	HYDRANT 430x280x75 mm deep	D400	2,59	170
ME4328100	HYDRANT 430x280x100 mm deep	D400	3,57	120
ME4328150	HYDRANT 430x230x150 mm deep	D400	5,10	75
ME4328B	BASE for HYDRANT 430x280x40 mm	D400	2,50	100
ME4328B1	BASE for HYDRANT CENTRAL HOLE 430x280mm	D400	2,50	100
ME4328B2	BASE for HYDRANT OFF_SET HOLE 430x280mm	D400	2,50	100
ME4328B3	BASE for HYDRANT Rectangular Hole 430x280mm	D400	2,50	100
ME3030150	300x300x150 mm deep EcoLite ring	C250	4,30	84
ME4545150	450x450x150 mm deep EcoLite ring	D400	5,90	48
ME6045150	600 x 450 x 150 mm deep EcoLite ring	D400	8,62	32
ME6060150	600 x 600 x 150 mm deep EcoLite ring	D400	10,16	22
ME7545150	750 x 450 x 150 mm deep EcoLite ring	D400	9,24	32
ME7560150	750 x 600 x 150 mm deep EcoLite ring	E600	11,12	20
ME7568150	750 x 675 x 150 mm deep EcoLite ring	E600	11,76	16
ME7575150	750 x 750 x 150 mm deep EcoLite ring	E600	12,08	16

Lightweight, durable and competitively priced, the Ecolite range comprises smaller SV chamber sections, hydrant sections and base sections, and a range of larger sizes which are ideal for many applications, including water utility, street lighting, fibre optics, electricity and gas supply applications.

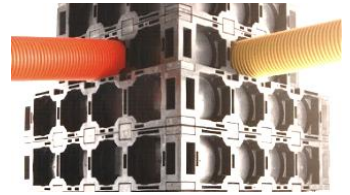


Code	Description	Load Class	Unit weight Kgs	No. per pallet
MEP9045150	900x450x150 mm deep EcoPlus ring	D400	2,00	180
MEP9060150	900x600x150 mm deep EcoPlus ring	D400	0,40	800
MEP9068150	900x675x150 mm deep EcoPlus ring	D400	0,68	400
MEP9075150	900x750x150 mm deep EcoPlus ring	D400	1,80	120
MEP9090150	900x900x150 mm deep EcoPlus ring	D400	1,95	120
MEP10068150	1000x675x150 mm deep EcoPlus ring	D400	2,80	72
MEP100100150	1000x1000x150 mm deep EcoPlus ring	D400	2,52	90
MEP12045150	1200x450x150 mm deep EcoPlus ring	D400	3,73	54
MEP12060150	1200x600x150 mm deep EcoPlus ring	D400	2,30	190
MEP12068150	1200x675x150 mm deep EcoPlus ring	D400	4,95	105
MEP12075150	1200x750x150 mm deep EcoPlus ring	D400	1,15	250
MEP12090150	1200x900x150 mm deep EcoPlus ring	D400	1,93	125
MEP120120150	1200x1200x150 mm deep EcoPlus ring	E600	2,59	170
MEP13060150	1300x600x150 mm deep EcoPlus ring	E600	3,57	120
MEP13085150	1300x850x150 mm deep EcoPlus rings	E600	5,10	75
MEP13590150	1350x900x150 mm deep EcoPlus ring	E600	2,50	100
MEP15060150	1500x600x150 mm deep EcoPlus ring	E600	2,50	100
MEP15075150	1500x750x150 mm deep EcoPlus ring	E600	2,50	100
MEP15090150	1500x900x150 mm deep EcoPlus ring	E600	2,50	100
MEP150150150	1500x1500x150 mm deep EcoPlus ring	E600	4,30	84
MEP180120150	1800x1200x150 mm deep EcoPlus ring	E600	5,90	48
MEP200200150	2000x2000x150 mm deep EcoPlus ring	E600	8,62	32

EcoPlus chamber rings offer higher loading properties and are popular for applications including PRV and PMVs (1200x675mm), and are made with larger chamber applications in mind. All EcoPlus chamber rings can also be supplied with steel reinforcing, so depending on the side wall and compression loading requirements of your particular chamber, the ring configuration could be a combination of EcoPlus rings with and without steel reinforcement. Please discuss your specific requirements with Pennine.



Code	Description	Load	Unit weight Kgs	No. per pallet
MSTACK15	150 TITAN - one wall, 150 mm long		0.56	1080
MSTACK30	300 TITAN - one wall, 300 mm long		1.17	315
MSTACK45	450 TITAN - one wall, 450 mm long		1.51	240
MSTACK60	600 TITAN - one wall, 600 mm long		1.86	210
MSTACK90	900 TITAN - one wall 900 mm long		2.30	120
MT3030	300x300x150 mm TITAN RING	D400	4.67	84
MT4530	450x300x150 mm TITAN RING	D400	5.35	72
MT4545	450x450x150 mm TITAN RING	D400	6.03	42
MT6045	600x450x150 mm TITAN RING	D400	6.74	42
MT6060	600x600x150 mm TITAN RING	D400	7.46	22
MT9045	900x450x 150 mm TITAN RING	D400	7.62	28
MT9060	900x600x150 mm TITAN RING	D400	8.34	20
MT9090	900x900x150 mm TITAN RING	D400	9.21	15



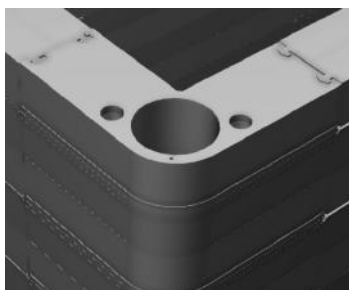
D400-F900 CHAMBERS, SUPPLIED READILY ASSEMBLED

EasyStack

EasyStack are a range of innovative structural access chambers for a range of applications within the utility industry. With a twin wall design and manufactured from recycled polypropylene, they are lightweight, easy to install and have great strength.

They are made up from a variety of different components, with the depth in increments of 150mm, and are supplied readily assembled to specific site requirements for size and loading capacity. If needed, they can be supplied with steel reinforcing, pre-cut holes or high visibility steps integrated, and can also be constructed to withstand F900 loadings for airport and dockyard installations.

For assistance with a particular enquiry, please contact the Sales Office for more information.



Lid and Frame Systems

Code	Description	Load Class	Unit weight Kgs	No. per pallet
Manhole Lid & Frame C250 Plastic Frame				
MLID4545	450x450x280mm Comp. Lid & Frame C250	C250	16.31	24
MLID6045	600x450x280mm Comp. Lid & Frame C250	C250	19.50	24
MLID6060	600x600x280mm Comp. Lid & Frame C250	C250	25.09	16

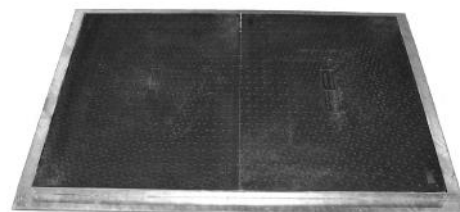
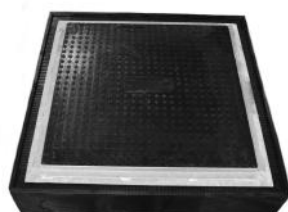
C250 frames are 280mm deep & save approx. 1 1/2 150 mm tall rings compared to 50mm depth frame

Code	Description	Load Class	Unit weight Kgs	No. per pallet
Manhole Lid & GALVANISED Frame B125				
ML3030B	300x300mm Comp. Lid/Galv Frame B125	B125	8.58	108
ML4530B	450x300mm Comp. Lid/Galv Frame B125	B125	12.57	72
ML4545B	450x450mm Comp. Lid/Galv Frame B125	B125	15.78	48
ML6045B	600x450mm Comp. Lid/Galv Frame B125	B125	22.50	48
ML6060B	600x600mm Comp. Lid/Galv Frame B125	B125	27.61	28
ML7575B	750x750mm Comp. Lid/Galv Frame B125	B125	40.00	14
ML9060B	900x600mm Comp. Lid/Galv Frame B125	B125	43.00	20
ML9090B	900x900mm Comp. Lid/Galv Frame B125	B125	66.50	13
ML12060B	1200x600mm Comp. Lid/Galv Frame B125	B125	54.00	8
ML120120M	1200x1200mm Comp. Lid/Galv Frame B125	B125	108.00	5

Code	Description	Load Class	Unit weight Kgs	No. per pallet
Manhole Lid & Galvanised Frame D400				
ML4545D	450x450x280mm Comp. Lid & Galv. Frame D400	D400	33.00	32
ML6060D	600x450x280mm Comp. Lid & Galv. Frame D400	D400	56.00	13

The MLID cover and frame comprises a composite lid with lifting/locking keys and a strong frame.

Lightweight yet highly robust, the composite lids are much lighter than traditional ductile iron covers making for easier, more efficient and less costly transportation and installation – and greatly reducing the risk of worker injury.



Modular Ladder Systems

Incredibly lightweight, these modular ladder systems are less costly and easier to transport and handle than galvanised and stainless steel alternatives. They have also have much lower total life costs and excellent chemical resistance.

MHL2G	Grey Nylon 60cm Ladder Extensions	2.25	240
MHL4G	Grey Nylon 30cm Ladder Extension	1.36	300
MHL7G	Grey Nylon 2 rigid Stays + Bolt/Washers/Nut	0.94	320
MHL2B	Black Nylon 60cm Ladder Extensions	2.25	240
MHL4B	Black Nylon 30cm Ladder Extension	1.36	300
MHL7B	Black Nylon 2 rigid Stays + Bolt/Washers/Nut	0.94	320
MHL10	M12 100mm Stainless Steel Through Bolts	0.10	1000
MHL12Y	Yellow PBT Ladder upto 120cm + 4 stays/nuts/bolts	7.29	60
MHL15Y	Yellow PBT Ladder 121-150cm + 4 stays/nuts/bolts	8.84	60
MHL18Y	Yellow PBT Ladder 151-180cm + 4 stays/nuts/bolts	9.86	48
MHL21Y	Yellow PBT Ladder 181-210cm + 4 stays/nuts/bolts	11.41	48
MHL24Y	Yellow PBT Ladder 211-240cm + 6 stays/nuts/bolts	13.47	40
MHL27Y	Yellow PBT Ladder 241-270cm + 6 stays/nuts/bolts	15.02	40
MHL30Y	Yellow PBT Ladder 271-300cm + 6 stays/nuts/bolts	16.20	32
MHL33Y	Yellow PBT Ladder 301-330cm + 6 stays/nuts/bolts	17.75	32
MHL36Y	Yellow PBT Ladder 331-360cm + 8 stays/nuts/bolts	19.71	28



MHL42Y	Yellow PBT Ladder 391-420cm + 8 stays/nuts/bolts	22.29	24
MHL45Y	Yellow PBT Ladder 421-450cm + 8 stays/nuts/bolts	23.84	24
MHL48Y	Yellow PBT Ladder 451-480cm + 10 stays/nuts/bolts	25.90	20
MHL51Y	Yellow PBT Ladder 481-510cm + 10 stays/nuts/bolts	27.45	20
MHL54Y	Yellow PBT Ladder 511-540cm + 10 stays/nuts/bolts	28.48	18



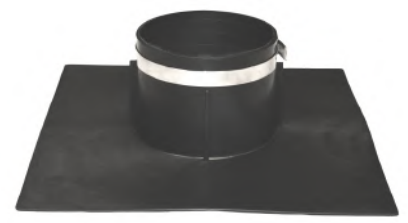
MHL57Y	Yellow PBT Ladder 541-570cm + 10 stays/nuts/bolts	30.03	18
MHL60Y	Yellow PBT Ladder 571-600cm + 12 stays/nuts/bolts	32.39	16
MHL12G	Grey Nylon Ladder upto 120cm + 4 stays/nuts/bolts	6.39	60
MHL15G	Grey Nylon Ladder 121-150cm + 4 stays/nuts/bolts	7.74	60
MHL18G	Grey Nylon Ladder 151-180cm + 4 stays/nuts/bolts	8.63	48
MHL21G	Grey Nylon Ladder 181-210cm + 4 stays/nuts/bolts	9.98	48
MHL24G	Grey Nylon Ladder 211-240cm + 6 stays/nuts/bolts	11.80	40
MHL27G	Grey Nylon Ladder 241-270cm + 6 stays/nuts/bolts	13.15	40
MHL30G	Grey Nylon Ladder 271-300cm + 6 stays/nuts/bolts	14.19	32
MHL33G	Grey Nylon Ladder 301-330cm + 6 stays/nuts/bolts	15.54	32
MHL36G	Grey Nylon Ladder 331-360cm + 8 stays/nuts/bolts	17.26	28
MHL42G	Grey Nylon Ladder 391-420cm + 8 stays/nuts/bolts	19.50	24
MHL45G	Grey Nylon Ladder 421-450cm + 8 stays/nuts/bolts	20.85	24
MHL48G	Grey Nylon Ladder 451-480cm + 10 stays/nuts/bolts	22.67	20
MHL51G	Grey Nylon Ladder 481-510cm + 10 stays/nuts/bolts	24.02	20
MHL54G	Grey Nylon Ladder 511-540cm + 10 stays/nuts/bolts	24.91	18
MHL57G	Grey Nylon Ladder 541-570cm + 10 stays/nuts/bolts	26.26	18
MHL60G	Grey Nylon Ladder 571-600cm + 12 stays/nuts/bolts	28.39	16

They are ideal for manhole chambers, well chambers, pumpshafts, combined sewer overflows, and many more applications, and have been used in installations for a range of water authorities.

MHL12B	Black Nylon Ladder upto 120cm + 4	6.39	60
MHL15B	Black Nylon Ladder 121-150cm + 4	8.36	60
MHL18B	Black Nylon Ladder 151-180cm + 4	8.63	48
MHL21B	Black Nylon Ladder 181-210cm + 4	10.60	48
MHL24B	Black Nylon Ladder 211-240cm + 6	11.80	40
MHL27B	Black Nylon Ladder 241-270cm + 6	13.77	40
MHL30B	Black Nylon Ladder 271-300cm + 6	14.19	32
MHL33B	Black Nylon Ladder 301-330cm + 6	16.16	32
MHL36B	Black Nylon Ladder 331-360cm + 8	17.26	28
MHL42B	Black Nylon Ladder 391-420cm + 8	19.50	24
MHL45B	Black Nylon Ladder 421-450cm + 8	21.47	24
MHL48B	Black Nylon Ladder 451-480cm + 10	22.67	20
MHL51B	Black Nylon Ladder 481-510cm + 10	24.64	20
MHL54B	Black Nylon Ladder 511-540cm + 10	24.91	18
MHL57B	Black Nylon Ladder 541-570cm + 10	26.88	18
MHL60B	Black Nylon Ladder 571-600cm + 12	28.39	16



Top Hat Connectors



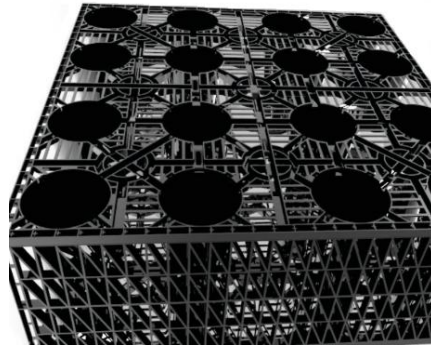
Code	Description	Unit weight Kgs	No. per pallet
	Top Hat Adaptors for Pipework		
SB01	Top Hat 110mm Flexible with Jubilee Clip	0.29	500
SB02	Top Hat 110mm Rigid	0.20	500
SB03	Top Hat 110mm Flexible	0.27	500
SB05	Top Hat 135mm Flexible with Jubilee Clip	0.34	320
SB06	Top Hat 135mm Rigid	0.23	320
SB07	Top Hat 135mm Flexible	0.31	320
SB09	Top Hat 160mm Flexible with Jubilee Clip	0.42	320
SB10	Top Hat 160mm Rigid	0.28	320
SB11	Top Hat 160mm Flexible	0.38	320

Top hat connectors for connecting inlet, outlet and vent pipes through impermeable membrane liners, creating effective damp and gas membrane protection around service pipe penetrations.

Water attenuation systems

Code	Description	Unit weight Kgs	No. per pallet
	Water Storage & Attenuation Systems		
SA2400	Aquacrate400 20tonne/m2	19.10	6
SA2414	Aquacrate414 30tonne/m2 +Lat.Reinf.	22.40	6
SA2554	Aquacrate554 60tonne/m2 +Lat.Reinf.	27.20	6
SA2510	Aquacrate510 26tonne/m2	20.30	6
SA2540	Aquacrate540 42tonne/m2	23.90	6
SA2550	Aquacrate550 50tonne/m2	25.10	6
SA2580	Aquacrate580 68tonne/m2	28.70	6
SA2590	Aquacrate590 75tonne/m2	29.90	6

AquaCrate soakaway systems can be used as water storage and attenuation systems, preventing extreme peak flows to main drainage and water purification systems and decreasing environmental problems caused by development. This reduces the possibility of flooding during heavy rain fall and allows for the development of difficult sites by using attenuation or water storage.

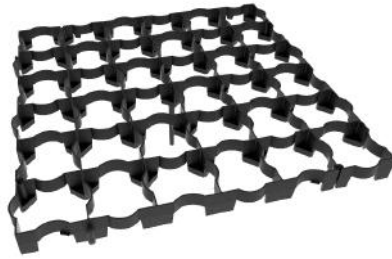


Ground reinforcement grids

Code	Description Ground reinforcement grids	Unit weight Kgs	No. per pallet
S2039	FirmGround39 Black	0.70	160
S2039G	FirmGround39 - Colours	0.70	160
S2045	FirmGround Flat Top 45 (45mm Deep)	1.28	100
S2045G	FirmGround Flat Top 45 (45mm Deep) Col.	1.35	100
S2070	FirmGround Flat Top 65 (65mm Deep)	1.80	100
S2070G	FirmGround Flat Top 65 (65mm Deep) Col.	1.80	100
S2100	FirmGround Heavy Duty 80mm Black	3.60	80
S2100G	Firmground Heavy Duty 80mm colours	3.60	80
S2031	Demarc. Blocks (White) for FirmGround45/70	2.10	120
S2032	Demarc. Blocks (White) for FirmGround39	1.00	120

Quick and easy to install, these ground reinforcement grids clip together with integral locking clips so don't need to be pegged down. There are 4 models in the range, 39mm which is suitable for pedestrianised areas, the 45mm which is ideal for driveways, the 70mm which is suited for light duty car parks, and the 80mm heavy duty model which is for areas where HGVs or emergency vehicles may be used.

FirmGround 39



FirmGround 45



FirmGround 70

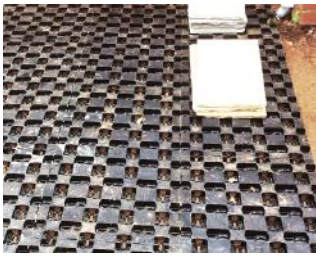


FirmGround Heavy



Permeable paving and temporary trackway systems

Code	Description	Unit weight Kgs		No. per pallet	
	Permeable Paving Panel				
S2301	EasyPave-1000x500x38mm Sub-paviour Tray	2.50		150	
S2311	EasyPave -1000x500x38mm with Flat Top	3.90		120	
	EasyTrack				
S2401	EasyTrack Tile 58x58x3cm Black	7.49		30	
S2402	EasyTrack Ramp 21x58x3cm Black	1.25		200	
S2403	EasyTrack Corner 21x21x3cm Black	0.41		500	
S2401C	EasyTrack Tile 58x58x3cm Colours	7.49		30	
S2402C	EasyTrack Ramp 21x58x3cm Colours	1.25		200	
S2403C	EasyTrack Corner 21x21x3cm colours	0.41		500	
S2501	EasyTrackHeavy 1200x600x12mm Mat Black	8.20		100	
S2511	EasyTrackHeavy 1200x1200x12mm Mat Black	16.52		50	
S2521	EasyTrackHeavy 1800x1200x12mm Mat Black	24.72		40	
S2531	EasyTrackHeavy 2400x1200x12mm Mat Black	32.92		30	
S2541	EasyTrackHeavy 3000x1200x12mm Mat Black	41.12		25	
S2591	EasyTrackHeavy Connector	0.80		500	



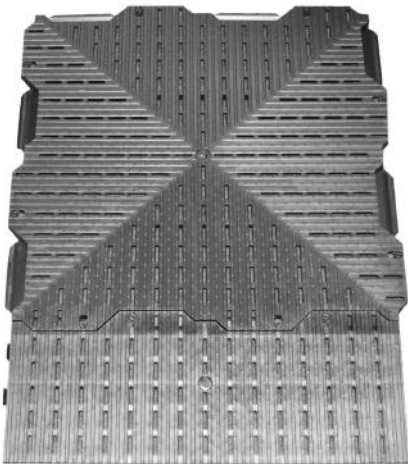
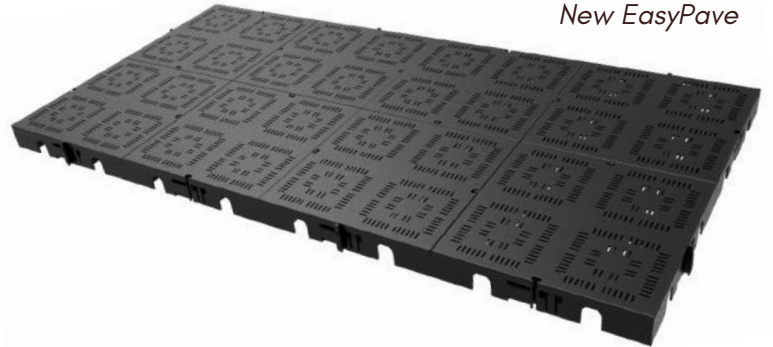
EasyPave

EasyPave is a sub-pavement tray that can be placed beneath paving, patio, or other types of flooring, to make these areas SUDS-compliant. The tray can also be used under shed bases or other temporary buildings to act as an effective water drainage solution and strong supportive system. It contains channels through which cables, pipework or reinforcers can be placed. Made from durable polypropylene, the system is robust and lightweight, making it easy to handle and install.

Original EasyPave

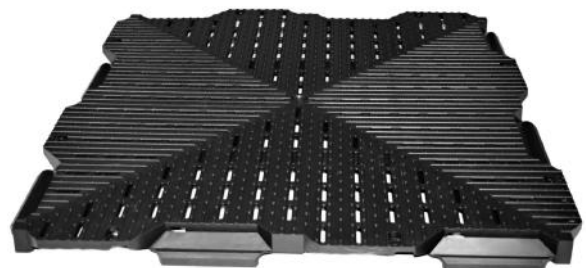
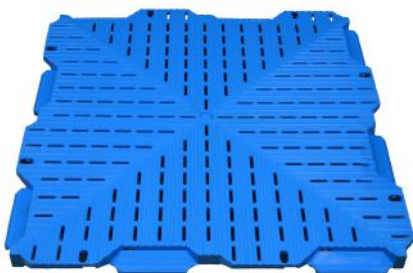


New EasyPave



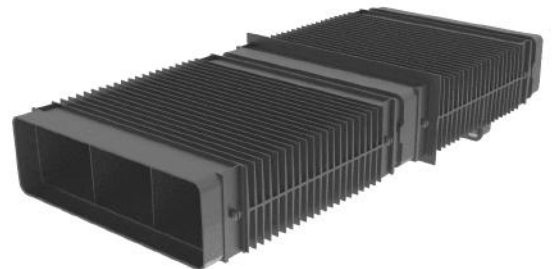
EasyTrack

EasyTrack is a temporary flooring system that can be used as trackway for building site walkways, exhibitions, outdoor events, marquees and many other applications. The panels can be easily clipped together to make a robust surface for both indoor and outdoor events. Available in grey, black and colours. There is also a larger heavy duty version available in the listed sizes, which can take around 250 tonne/sqm, ideal for events where there is vehicular use.

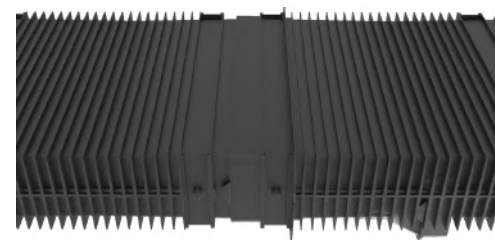


Modular ducting systems

Code	Description	Unit weight Kgs	No. per pallet
	Modular Ducting System		
MD101	EasyDuct 450mm 3 way 500mm	3.70	72
MD201	EasyDuct 450mm 6 way 500mm	7.40	40
MD301	EasyDuct 450mm 9 way 500mm	11.20	24
MD901	EasyDuct Flange set of 4	0.18	484
MD911	EasyDuct Adaptor to 3 x110mm Pipe	0.60	400
MD921	EasyDuct Fem/Fem.Connector	0.44	320



A flexible, strong and easily installed modular ducting system. With a load-bearing capacity of over 120tonnes/sq.m, these are ideal for use near railways, at carriageway crossings, tunnels or bridges. All parts are less than 25Kg, making these inexpensive to transport and handle. Can be made watertight and are available with flame retardant if required. There are adaptors to connect to 110mm ducting and flanges available for neat fitting to chambers.



Channel drainage system

Code	Description	Unit weight Kgs	No. per pallet
	Channel drainage system		
D1001	EasyFlow 1000mm Channel Drain (Black)	1.35	120
D1011	EasyFlow 4-way+2 End Caps	0.15	640
D1031	EasyFlow End Cap with Knockout	0.18	600
D1032	EasyFlow 110mm Adapter	0.27	216
D1033	EasyFlow 110mm Adapter + 2 end caps	0.06	216
D1041	EasyFlow GaragePack(3m+endcaps+adap.)	4.11	34

Lightweight, this channel drainage system is easily assembled, and has an A15 loading capacity. Flow velocity and self-cleansing are made capable by its efficient design. There are adaptor and end cap accessories.



Marker Posts

Code	Description	Unit weight Kgs	No. per pallet
	Marker Posts		
POST50	Marker Post Grey 500mm	1.83	200
POST73	Marker Post Grey 730mm	2.76	200
POST99	Marker Post Grey 990mm	3.53	140
POST123	Marker Post Grey 1230mm	4.35	120



Eco-friendly, lightweight, versatile, robust and low-maintenance, these are used for the easy location and maintenance of chambers housing valves installed by the utility companies. They are suitable for use in a range of applications, including fire hydrant, gas, cable, air valve, sluice valve, water meter and PRV ones.

Stop Tap Chamber System

Code	Description	Unit weight Kgs	No. per pallet
	Stop Tap Chamber System		
MEBASE	Universal Ecolite Base 170 x 170 & 230 x 230mm	2.3	180
MEBASEX	TopHat-225mm / Ecolite Univ.Base+Central Hole	2	180

A light, robust product that allows access to a sluice valve tap and takes no specialist equipment to install, the Pennine Stop Tap Chamber System comprises two base sections connected together with a length of 225-265mm internal diameter twin wall pipe cut to suit the chamber height.

This assembly can be used instead of Ecolite SV Chamber sections, with concrete backfill advised for higher load applications such as use in high trafficked areas, and no concrete backfill required for verge and footpath applications.



Accessories

We also have a range of accessories, including pipe connectors, bearer bars, step irons, as well as hole saws and an arbour and drill kit.

Code	Description	Unit weight Kgs	No. per pallet
Accessories - Pipes & Connectors			
MHCON1	180mm pipe connector (3s)	1.11	60
MHCON3	110mm pipe connector (4s)	0.96	240
MHCON96	96mm Bellmouth Connectors (Pack of 10)	0.68	56
MHCON110	110mm Bellmouth Connectors (Pack of 10)	0.7	56
MHSTEP2	Step iron + 2 galv 120mm M10 Bolt w/ Nut (Pack of 2)	0.28	800
MHBAR1	Bearer Bar Kit (508mm wall, 250mm Bearer, Pin & fixings)		500
MHSTEPF	Step iron fitted to chamber		
MHBAR1F	Bearer Bar Kit (508mm-250mm) fitted to Chamber		
Hole Saws			
MHARBOUR	A4 arbour + 200x12mm drill		
MHCORE82	Bimetallic hole saw 120mm deep x 82mm		
MHCORE115	Bimetallic hole saw 120mm deep x 114mm		
MHCORE152	Bimetallic hole saw 120mm deep x 152mm		
MHCORE160	Bimetallic hole saw 120mm deep x 160mm		
MHCORE182	Bimetallic hole saw 120mm deep x 177mm		
MHCORE210	Bimetallic hole saw 120mm deep x 210mm		

MHCON110



MHCON96



MHCORE115



MHCON1



MHCON3



MHARBOUR



CONTACTS

If you have any sales enquiries or are in need of customer support or technical advice, please don't hesitate to get in touch - we'll be happy to assist with your enquiry.

SALLY HALL	Sales Presentations, Customer Relationship Development	(+44) 07906 867180	shall@pennineindustries.com
ANGELA LEIGH	General Enquiries, Quotations, Sales Processing and Despatch	(+44) 01204 361547	aleigh@pennineindustries.com
SASHA PUENTE	General Enquiries, Quotations, Sales Processing and Despatch	(+44) 01204 361547	sseddon@pennineindustries.com
MARK SEDDON (M.D.)	General Enquiries, Quotations, Technical Advice	(+44) 01204 361547 / (+44) 07943 809084	mseddon@pennineindustries.com
DAVID SNOWDON	Product Specialist (Underground Manhole Chambers)	(+44) 07962188185	david.snowdon9766@gmail.com

Website <https://www.penninemanufacturing.co.uk>

Address Fold Mill, Bradley Lane, Little Lever, Bolton, BL2 6RA