

- ✓ Ideal for driveways and domestic traffic
- ✓ Quick & easy to install
- ✓ Clip-down grate for simple installation
- ✓ Channels clip together for easy on-site fabrication
- ✓ Various vertical water outlet positions
- ✓ Easy to cut to length required
- ✓ Fully certified to British Standards EN 1433:2002
- ✓ Independently load tested to a rating of A15 with a maximum load of 1.5 tonnes



Smarter drainage solutions

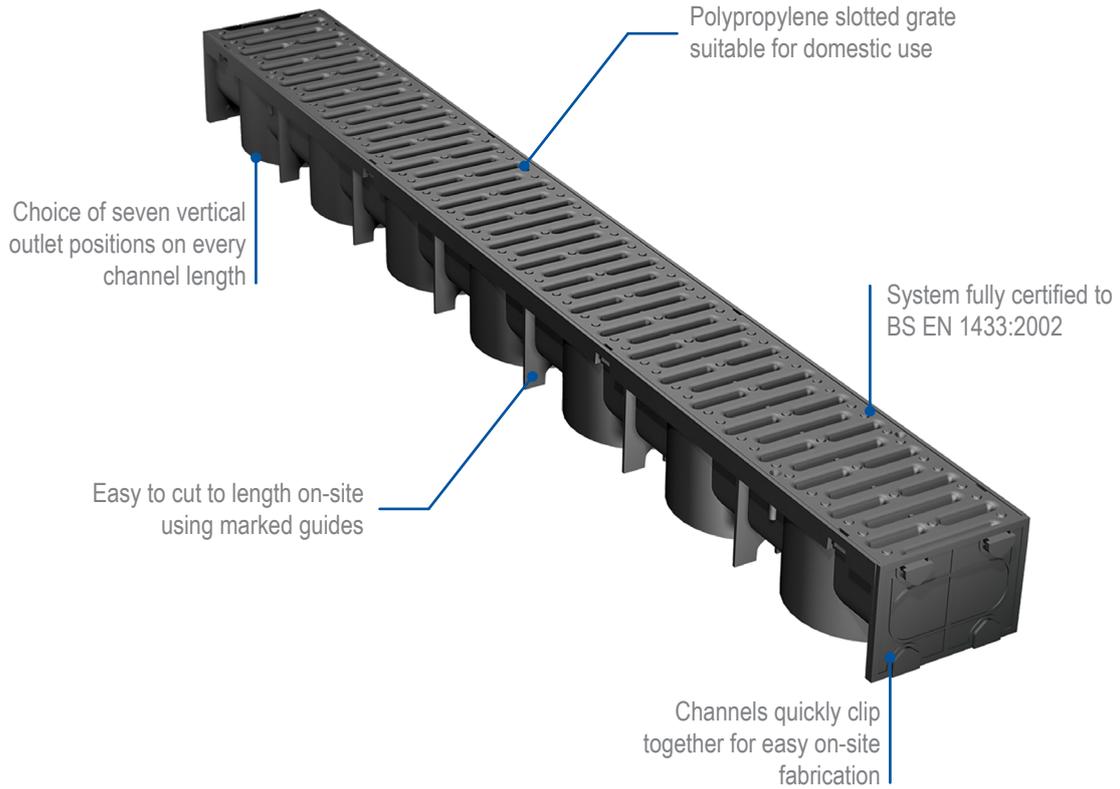
Ideal for pedestrian, cyclist and light vehicle traffic on domestic driveways, patios and paths, the Polypipe domestic drainage channel range provides you with everything you need to remove the standing water from around your property. Sturdy and simple to fit, the system directs rain water away from the home and into drains. The systems can be installed with any type of surface including; block paver's, flagstones, tarmac and concrete.

Quick and easy to install, the channels can be cut to length and clipped together for ease of installation on site. The protective grates are high-heel and child friendly. The four-way junction box offers a variety of configurations and slots quickly and easily into channel lengths.

The Polypipe domestic drainage channel systems are ideal for use on a variety of surfaces. Typical installation areas include:

- Driveways (Ideal in front of garages)
- Pathways (threshold drainage in front of doorways)
- Patios
- Gardens (around raised beds and retaining walls)

Product Overview



Product Codes & Specification

Domestic Drainage Channel with heel guard plastic grating	Code	Colour	Length (mm)	Width (mm)	Height (mm)	Weight
1m. Channel Drain with Plastic Grate.	MCD1000	Black	1000	119	88	1.5kg

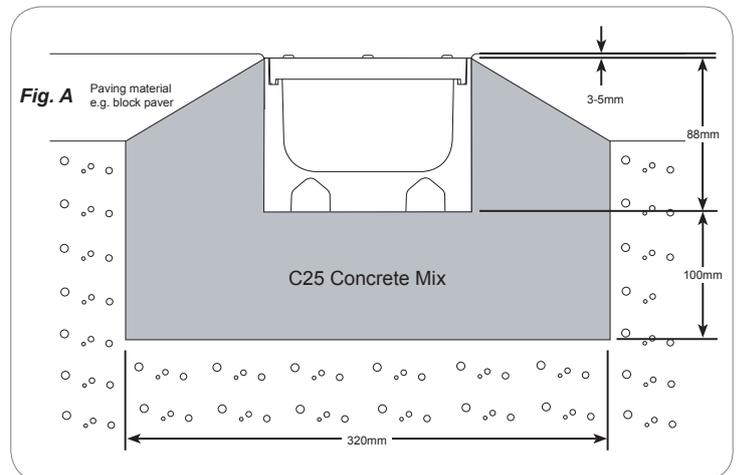
Domestic Drainage Channel Accessories	Code	Colour	Length (mm)	Width (mm)	Height (mm)	Weight
Channel Drain Quad Connector.	MCD1003	Black	118	118	87.5	2.7kg
Channel Accessory Pack containing 2 x End Cap & 1 x Leaf Trap	MCD1005	Black	-	-	-	-



Preparing for Installation

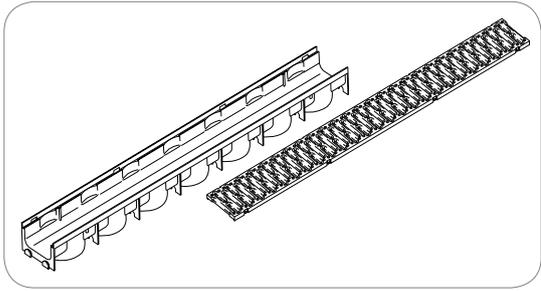
When digging the trench, it is necessary that the correct fall is integrated into the run. A fall of 1 in 40 (25mm in 1m) will guide the water to the outlet at a substantial rate to avoid the pooling of water and collection of debris.

Before surrounding the channel in concrete, clip the grate into position to ensure an even and substantial fit. (See figure A)

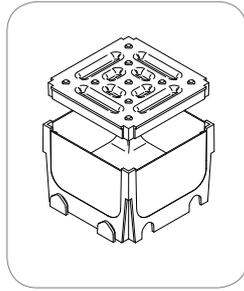


Product Installation

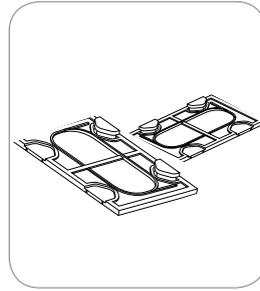
Complete Channel Drainage System



Drainage Channel and Grate



Junction Unit

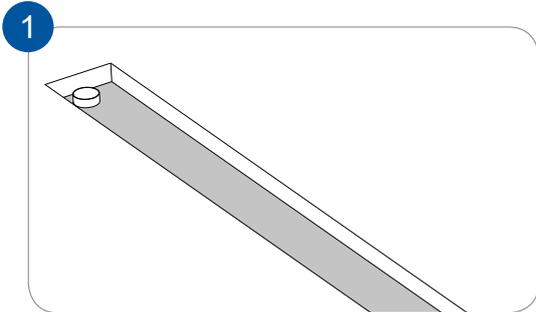


End Caps

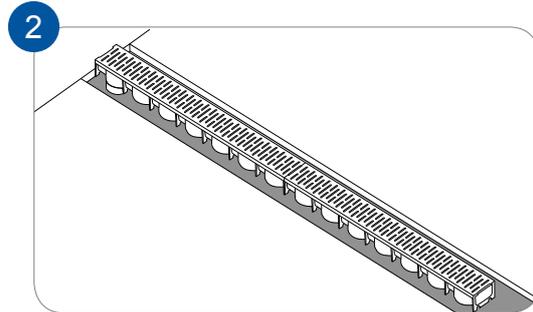


Leaf Trap

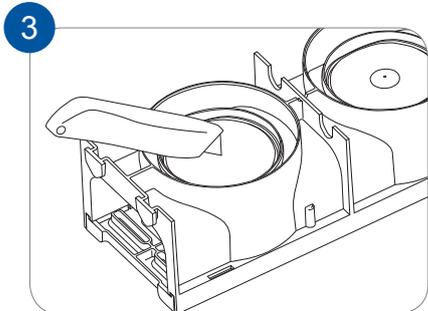
Installation Steps



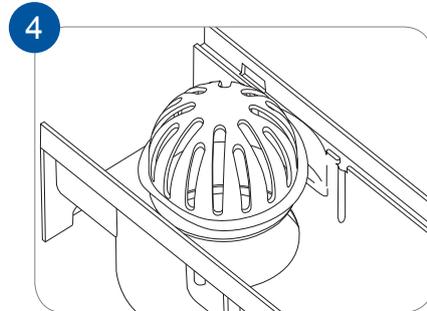
1 With an appropriate silt trap installed, dig a trench to the sizes detailed in Fig. A for the required run length. Pour a layer of semi-dry concrete in the bottom of the trench to the depth shown, the concrete used should be to the strength of a C25 mix. The top of the channel should lay 3-5mm below the top level of the paving material once installed.



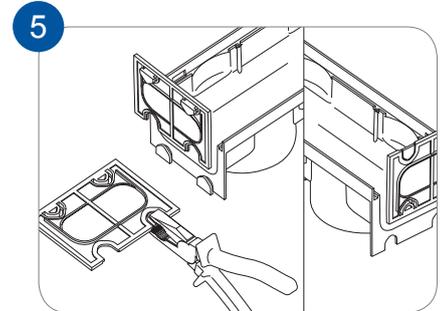
2 Align the chosen exit point with the drain outlet and slot into place, bedding the channel down into the concrete base. Lay the adjacent channels, bedding down as you go. Joints between channels should be sealed with a suitable silicon or polysulphide sealant. Once bedded, haunch the channels in place to fully support the side walls of the channel.



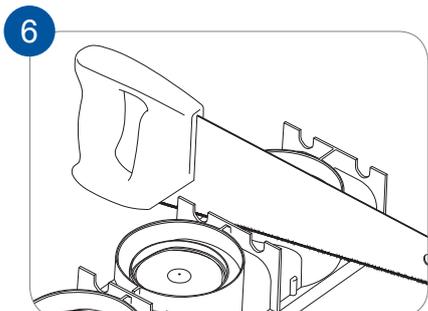
3 To remove the appropriate exit point, use either a heavy duty knife or 80mm hole saw prior to installing the channel. Support the side walls of the channel.



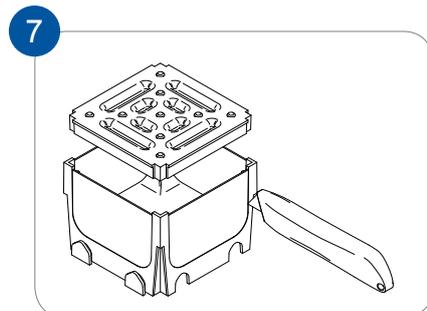
4 Once the channel is installed, fit the Leaf Trap into the outlet hole which has been created.



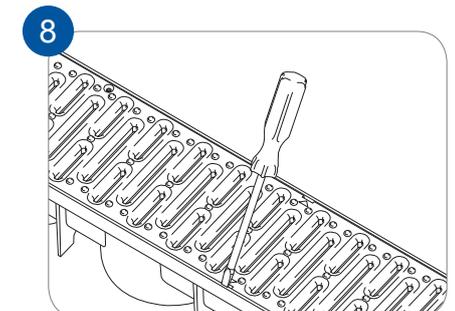
5 The End Cap can be fitted to either the male or female end of the channel. To fit it to the male end, first remove the thinned tabs using either a pair of pliers or heavy duty knife. Seal with a suitable silicon or polysulphide sealant.



6 The 1m lengths of channel can easily be sawn down at several points along their length. There are saw points located on the underside of the product, next to the vertical ribs. By using these points, the interlock feature can be maintained.



7 To create a junction, use the MCD1000 Junction Unit. Simply remove the correct blanked off sides with a craft knife to create either a 90° corner, T-junction or 4-way junction.



8 To remove the grate, use a flat blade screwdriver at the clip points to ease the clips open. The grate can be further secured using 4 3.5 x 30mm self tapping screws.

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