

NEW



Plumbing & Drainage



DOMESTIC CHANNEL DRAINAGE SYSTEM



- LABOUR SAVING QUAD CONNECTOR
- BLACK PLASTIC HEELGUARD GRATE
- CONFORMS TO BS EN 1433 - LOAD CLASS A15

BRETT MARTIN CHANNEL DRAINAGE RANGE

1m CHANNEL DRAIN
inc. Plastic grating

Code: BC1B



QUADRANT CORNER
CONNECTOR
inc. Plastic
Grating

Code: BCQ1B



END CAP

Code: BCE1B



END OUTLET

Code: BCE2B





BRETT MARTIN CHANNEL DRAIN INSTALLATION INSTRUCTIONS

Brett Martin channel drain should be fitted as complete lengths if possible. The channels have male and female ends and these should be used in sequence along the length of the channel drain. Mechanical joints are used to link the channels and to connect the end cap and end outlets. Waterproof mastic can be used to seal these joints.

If it is necessary to cut a length of channel these mechanical joints are lost. A cut should be made at the end of the line and an end cap or outlet can be bonded in position with waterproof mastic. The location lugs will help to retain the end plate in position.

Excavate a trench sufficiently sized to allow a 50mm deep compacted sand base and wide enough for a minimum of 100mm backfill of concrete on each side of the channel.

Fix a string line for alignment of the channel setting the height such that the grate will be set 2 or 3mm below the final surface level.

Set a gradient if the installation will allow it. Any gradient will assist the flow of water through the channel.

An end cap should be used at the end at the highest point in the drain.

The lowest end of the channel drain should be connected to a 110mm OD drainage pipe to BS EN 1401 using either the end outlet or one of the preformed channel bottom outlets. This pipe will need connecting to the existing surface water drainage system.

The channel will need to be weighted down to stop floatation when the concrete is backfilled around the channel. If the grate is removed for this purpose then the following procedure should be followed. A large flat bladed screwdriver is inserted into one of the slots at the end of the channel. The blade is twisted whilst the grate is pulled upwards. The latch will disengage. This process is repeated along the length of the channel. Where locking bars are used with metal grates then these will need unscrewing.

The channel drain should be installed with the grate fitted. Tape should be applied along the grate to keep it clean during the concrete pour.

Concrete is poured to a suitable level. Either to a level 2 or 3mm above the channel or to a level that will allow block paving to achieve the same level. Allow sufficient time for the concrete to cure before vehicles are allowed over the channel or before the grates are removed.

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