

D-Rainclean

Installation Guide for an un-trafficked open channel

Required tools:

- Bricklayer's cord and cord pin
- Spirit level
- Measuring tape
- Shovel and Spade
- Formwork boards for back supports (if necessary)
- Rubber mallet

Required materials:

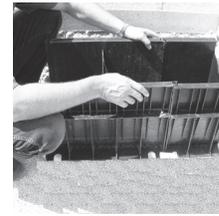
- Gravel 3/8mm or 2/5mm
- Concrete C12/15 and formwork boards (if necessary)



1. Excavate the soil to the required depth of the channel plus any gravel formation – see engineer's drawings. A levelling line should be laid to ensure correct alignment of the channel units.



2. The top edge of the channel should be approximately 2mm lower than the finished surface level.



3. If required form a formation level consisting of a 30mm layer of 3-8mm or 2-5mm gravel. It is important the gravel contains no fines / is unbound.



4. The difference between the formation level and finished channel level should be approximately 370mm.



5. Lay the channel starting with an end section (part Number DRFC002), and finish each run with an end section.



6. Lay subsequent main sections (part number DRFC001) always ensuring the pieces are properly connected to one another and free from gravel between the joints.



7. Ensure that the channel sections lay level on the gravel.



8. Where necessary the channel should be held in alignment by ground stakes or rods secured through the fixing points on the outer base edge of the channel.



9. An end section piece (part number DRFC003) should be laid at the end of the run.

10. Backfill the sides of the channel with as dug material, but if the channel is adjacent to a parking area then the edge closest to the parking should be supported with concrete haunching and kerbs. The kerbs should be spaced to allow surface water to run into the channel and the gaps to be filled with concrete.
11. For aesthetic reasons aluminium rails (part number DRFC012) should be positioned and fixed on the channel edges using spax screws.
12. The Re-Medi8 media should only be placed in the channel once all paving works have been completed. Four bags of media (part number DRFC005) should be installed per every linear metre of channel. If using the 1.5m³ bulk bags (part number DRFC006) of Re-Medi8, each bag contains enough media for 27 linear metres of channel.
13. When laying the media ensure that it is evenly spread along the channel to a depth of 200mm.