

D-Rainclean

Installation Guide

for trafficked channel B125

Required tools:

- Installation wrench
- Bricklayer's cord
- Spirit level, measuring tape
- Shovel, spade
- Rubber mallet
- Steel hammer

Required materials:

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



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. Lay a formation level consisting of a 30-50mm 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 415mm.



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. Now place the cast iron frame (part number DRFC007) on the D-Rainclean channel, ensuring that the location notch on the grate and the channel align correctly (1 & 2), and that each grating is placed in the same direction

11. Each grating should align with the separating baffle in each channel section.

12. Using a rubber mallet ensure the grating is correctly seated on the channel.



13. Fix the grating to the channel using the steel spring clips (part number DRFC008) (4 per grating) and a rubber mallet.



14. Place crushed stone (0-32mm) sidefill (DOT Type 1) at the side of the channel up to a depth of 8cm or below the cast iron edge and then compact with a suitable plate vibrator. Please note concrete haunching is not necessary but can be used if preferred.

15. Take should be taken to ensure sand and gravel does not enter the channel through the grate by using a protective board or plastic sheeting.

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16. Continue laying the surfacing finish ensuring the finished surface is approximately 2mm above the channel.



17. 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 metres of channel.

18. When laying the media ensure that it is evenly spread along the channel to a depth of 200mm.



19. The cast iron grate can be easily removed by using the installation wrench (part number DRFC011) and replaced after filling. Take should be taken to remove any sand or gravel in the channel edge before replacing the grate.

