

Important Safety Notice:

The instructions below call for the use of certain hand and power-tools – please therefore take great care and if in doubt seek advice and/or assistance.

1. Lay out the channels on the ground and have a trial fixing together to familiarise yourself with the connecting pins used to join one channel to the next and final positioning of the ground-work.
2. Prepare a trench approximately 300mm wide and 200mm deep – if the ground is unstable add 200mm to the depth and place 200mm of tamped ungraded gravel in the base. Place approximately 100mm of C25 grade concrete in the trench.
3. Starting at the outlet end, tap out the base of the channel to allow the fixing of the debris trap into the outlet and connect the 100mm dia (110mm o/d) plastic pipe to the bottom of the spigot. The pipe will just slide tightly over the spigot and no special connections are required. Lay the units into the concrete with the top edge of the channel 2mm **lower** than the desired finished surface level.
4. Fix the channels to each other as they are laid and ensure the gratings are left in the channels during installation. It is advisable to lay the gratings upside down in the channel whilst installation is taking place to protect the top edge of the gratings and avoid unnecessary cleaning of them after installation.
5. Once the channel is in position, surround it with further C25 grade concrete ensuring that the finished surface (allowing for tarmac course if applicable) is 2mm **higher** than the top of the channel to assist with surface drainage. If the finished surface is left lower than the channel, damage may occur to the channel when trafficked. If paving slabs or block paving is being used, those adjacent to the channel must be bedded in mortar to avoid any movement after installation. *Take care to ensure that excess concrete and/or tarmac does not enter the main channel body or the seating areas where the gratings sit in the top of the channels.*
6. Once installation is complete and the concrete has set, take out the gratings and replace them the correct way up.

Clark-Drain Limited cannot be held responsible for product damage and/or failure as a result of failure to follow these instructions and/or incorrect installation.

