

Installation Instructions for Cast Iron Guttering

Gutter Installation

Safety

Due to the heavy nature of cast iron guttering we would always advise that there should always be two persons to fit your system, always use the correct safety equipment and protective clothing. The use of scaffolding is preferable where possible.

Fall, Fascia Bracket and outlet Installation

1. Firstly locate the location of the ground gulleys that your system will discharge into.
2. Now install your running outlets using two fascia brackets to secure. Ensure that your outlet is positioned as vertically close to the gully as possible.
3. Identify where your run of gutter will begin.
4. Approximately 75 – 100mm from the beginning of your run, place the first fascia bracket and fix using 3 x No12 x 1.2" woodscrews, ensuring that the roof tiles are above the centre of your gutter when it is seated.
5. Install fascia brackets at maximum 900mm centres (more frequent in areas prone to extreme weather) and allow a fall in the direction of your outlets to ensure efficient dispersal of water.
6. Additional fascia brackets should be positioned no more than 150mm away from corners for extra support.

Gutter Jointing And Installation

Half Round System

We recommend using the Hydrostrip™ Gutter sealing kit for the jointing of all standard half round systems. The kit includes enough seals and nuts/bolts to make 20 water tight joints.

1. Seat your gutter in place on fascia brackets ensuring once again that tile edge is located above the centre of your gutter.
2. Locate the ends of the gutters you wish to connect, one should be a spigot (male) end and the other a socket (female). Ensure that the area to be sealed is clean, smooth and free of debris.
3. Insert 1 rubber sealing strip from your pack into the socket of your gutter and ensure that the fixing hole in your gutter aligns with the hole in the sealing strip. Now insert the spigot of your other gutter ensuring all holes are still aligned
4. Take a bolt from your fixing pack and firmly push through fixing holes in your gutter from the top (inside) of your gutter, locate a nut from your fixing pack and tighten until finger tight only.
5. Ensuring the seal is straight inside the gutter joint tighten slightly using your screwdriver and adjustable spanner. Take care not to over tighten, trim excess strip until flush with gutter.

All Other Systems

1. Follow steps 1 & 2 as above
2. Apply two 6mm beads of Dow Corning 791 silicone sealant at either end of the socket (female) gutter and around the fixing hole.

3. Locate the two pieces of gutter together ensuring that fixing holes are aligned, and using a M6 x 25mm Zinc plated roofing nut & bolt, insert the bolt from the top (inside) of your gutter and secure with nut. Only tighten to finger tightness
4. Allow silicone to 'cure' before tightening using a screwdriver and adjustable spanner. Do not over tighten as this may damage your gutter. Wipe off any excess silicone.
Gutters can be cut using a hacksaw. The blade should be tungsten tipped with 50 teeth per inch. A powered saw or disc cutter can also be used.

Downpipe Installation

Positioning And Fixing Your Downpipes

1. Using your plumbline find the position of your drain connection or shoe from the centre of your running outlet.
2. Beginning from your outlet determine the position your downpipes are going to take, mark and drill suitable holes for your first downpipe. It should be hung by the eared socket at the top of the pipe, approx 25mm overlap should be allowed for. If fixed offsets are required from the outlet, install these at the same time as installing your first pipe, ensuring the offset is fixed loosely in position before securing the downpipe. Once the downpipe is secured this will then hold the offset in place.
3. Take 2 rawl plugs from your downpipe fixing kit and locate these in the holes you have prepared
4. Have the person assisting you hold the downpipe in position while you secure the pipe using 2 screws from your downpipe fixing kit, our downpipe fixing screws have hexagonal heads for ease of fixing.
5. All downpipes are supplied Spigot (male) and socket (female). Locate the socket end of the next pipe over the spigot end of the pipe you have just fixed and secure as before.
6. Joints can be finished using putty or Dow Corning silicone sealant. Apply enough sealant to fill any gaps and wipe away any excess.
7. Repeat this process until you have fitted your last full length of downpipe.
8. Measure the required length needed for your last length of downpipe ensuring that you allow for 25mm overlap at each end for joining to the previous downpipe and / or shoe at the bottom. Cut your downpipe to the required length.
9. Fix your last length of downpipe as previously described.
10. Determine the position of your downpipe shoe, if required, allowing for 25mm overlap onto the downpipe. Drill holes in the required position and secure to the wall using the same method as above.

If necessary use additional galvanised steel downpipe clips at 900mm per pipe to ensure pipework is completely secure.

Please see our 'painted' tab for a full method statement in respect of painting your primed cast iron rainwater system. Please ensure you take particular care to treat any cut or exposed metal surfaces with anti rust primers and undercoat before painting with top coats