



## **Rainwater Systems Installation Data Guide**

1. Plan your installation to assist the correct type and quantity of products required. Fascia Brackets should be spaced to a maximum of one metre apart on straight gutter runs. (600mm in the case of Deep High Capacity and Ogee profile gutters). Angles and Stopends should have a Fascia Bracket within 150mm of the fittings. A supporting Pipe Clip should be used on Shoes, Branches, and Bends where necessary. Support downpipe below offset at maximum intervals of 1.8 metres.
2. Where necessary remove the old gutter and replace old fascia board with AQUACEL maintenance free PVCue co-extruded fascia board.
3. Establish the position of the running outlet, usually over an existing drain, and fix securely to the fascia board using 25mmx5mm screws and positioned so as to avoid the fixing screw splitting the fascia board.
4. Fix the Fascia Bracket 100mm short of the furthest point from the outlet. Allow for a fall to the outlet (1:600 is recommended) using a string line.
5. Fix Fascia and Union Brackets at required intervals.
6. Lubricate all gutter seals with silicone spray lubricant to ensure an easy fit and to allow for movement caused by expansion and contraction. (Aquaflow gutter seals are pre-lubricated).
7. Working from the Running Outlet, insert the back edge of the gutter under the retaining lip of the wrap around clip. Ensure seals are clean, with no debris. Using slight downward pressure on the gutter, snap the front edge of the retaining clip over the front of the gutter. (Ensure that the gutter marked expansion allowance is kept)

**Note:** - In very hot weather 'Fit to Stop' as gutter will contract in cooler temperatures.

8. Use a Union Bracket or Angle to join the next gutter length in order to build up a gutter run.
9. Downpipe installation starts at the Outlet. If an offset is required use two Offset Bends with or without a short piece of pipe. Ensure a 6mm gap is left at the top of the downpipe for expansion.
10. Pipe connectors, if required should be secured to the wall with a Pipe Clip and using 32mm x 6mm screws.
11. At the base of the pipe, fit a shoe secured with a Pipe Clip or connect downpipe to underground drainage system.

### **12. Test System before leaving site.**

**For further reference refer to BS 12056-3:2000 Roof drainage layout and calculation.**