



Mod-Tec Gutta Sump System

Installation Instructions and Helpful Hints

Fitting Instructions

Locating the Mod-Tec Sump

Establish the Sump location, this should be the lowest point in the box gutter. At this stage plan the connection to the downpipe. (Refer to hints for Box Gutter Design)

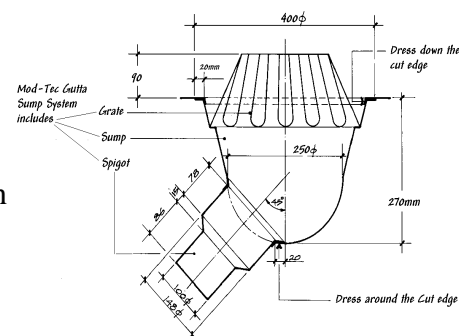
Marking and cutting the Sump & Spigot

Mark & cut Sump hole, dress the cut out to neatly fit to the sump decide on the position of the *Spigot*, mark and cut the hole. The dressing allows to retain a good seal of the Silicon.

hole to *Standard & Lo Profile Sump* to be 360mm allowing to dress the edge
 hole to *150 mm Spigot* to be 146 mm allowing to dress edge
 hole to *100 mm Spigot* to be 95 mm allowing to dress edge

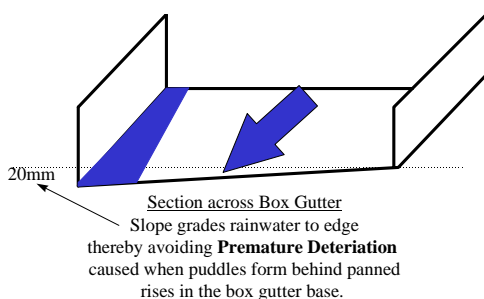
Riveting

Rivet the flanges after cleaning the faces applying an approved roofing silicon. A neat seal is best achieved with a tight joint held with rivets that are compatible with the jointed materials. (Refer to hints on **Compatibility**)



Hints On Fitting

Slope across the Box Gutter



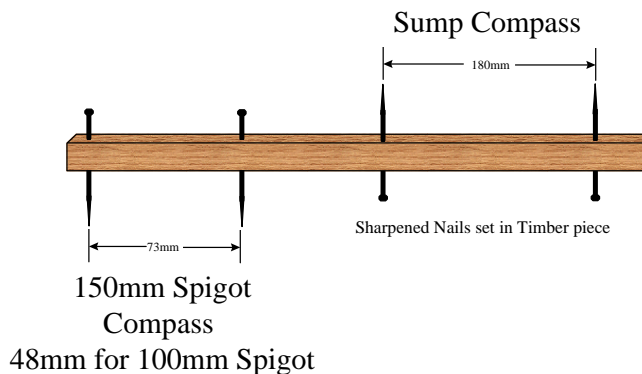
It is wise to set the base of the box gutter with a fall across the base and locate the *Mod-Tec Gutta Sump System* to this side. This prevents the puddles that happen in the gutter base, behind the panning. These puddles retain the airborne pollutants, that when mixed with rainwater, cause early and rapid deterioration of the box gutter coating and then it's unprotected base material

Cleaning Surfaces

After cutting the hole for the sump ensure that the area to which the silicon will be adhered is cleaned with an approved solvent.
(Acetone is an approved solvent)

Marking Holes

When marking the holes for the sumps a simple tool to mark accurate cut-out holes is a piece of timber with two sharpened nails and used as a compass. Dress the edge of to hole for the perfect fit of the sump

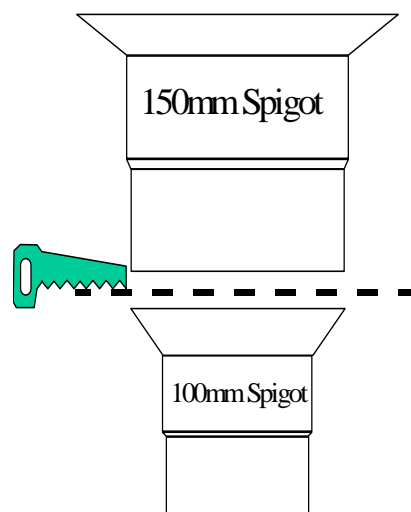


Simplified Fitting

The **Mod-Tec Gutta Sump** can be fitted simply from within the fitted box gutter, this assists the accurate locating of the sump. The **Spigot** can also be fitted from inside the Sump, this allows the downpipe to be fitted up to the sump. It is easier to mark and cut the **Spigot** hole prior to fitting the **Sump** into the box gutter.

Best Flows

To achieve the best flow in the downpipe during severe flows it is necessary to seal the connection between the sump and the downpipe to prevent the inflow of air, the step in the spigot allows for the silicon sealant. A seal can be achieved with an approved tape on the exterior of the joint. **The Best Flow Rate** is achieved using the **Standard Profile Sump**.



Multi Fit Spigot

The **Spigot** is designed to be cut to suit the situation. If there is space to accommodate the spigot length when connecting to 100 mm Diameter downpipes it is best left complete. When fitting to a 150 mm downpipe it is essential that the 100 mm **spigot** is removed.

Lo Profile Sump

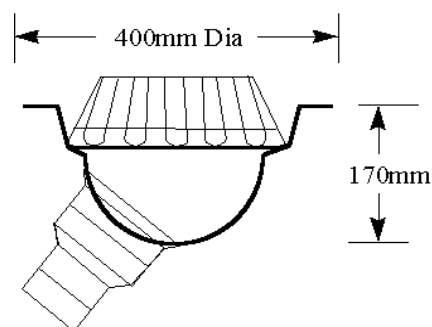
Where space is limited between the gutter base and the Ceiling or Downpipe connection a **Lo Profile Sump** is available and the cutting down of the multi Fit Spigot can reduce the space required

Fitting The Grate

To fit the **Grate** into the **Gutta Sump** recess, hold with 4 dabs of silicon positioned to adhere to the bases of the grate.

Compatibility

The **Mod-Tec Gutta Sump System** material is compatible with all known roofing materials (there is a full Compatibility test and Report by **AMDEL** available on request)



Architectural Specification for Installation of Gutta Sumps

1. Install Gutta sump at lowest position in Guttering in such a manner that the sump and the spigot do not clash with the building structure. (could vary to that shown on plan)
2. Use fixings and sealers approved for the roofing materials and to the Australian and New Zealand standards.
3. Fit Grate into sump on completion with a minimum of 3 silicon dobs to encapsulate the base of the grate.
4. Clean all surfaces with solvent where the approved sealer is to adhere.
5. Ensure all Pop Rivets are adequately sealed .
6. On completion of the installation remove all drillings and off cuts , touch up with approved paint any scratching and test the fall and jointing with a strong flow of hosed water.
7. report final fixing to builder and request acknowledgement of the existing condition should a claim occur for damage by following trades.