

Spreader installation instructions

The spreader allows for the even distribution of water to a lower level roof. It assists in complying to the E2/AS1 building code which is detailed below.

Building Code E2: external Moisture / 8.0 Roof claddings / 8.1.6 Gutters

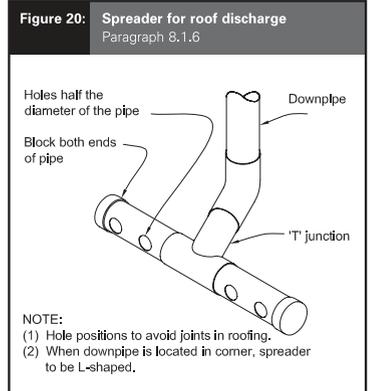
Downpipes discharging to a lower roof shall be fitted with a spreader as detailed in figure 20 below, with the discharge limited to a section of roofing with no side laps.

Spreaders shall not be used on masonry tile roofs unless a roof underlay is installed.

A maximum catchment area of 25m² shall be permitted to discharge via a spreader on to a lower roof area.

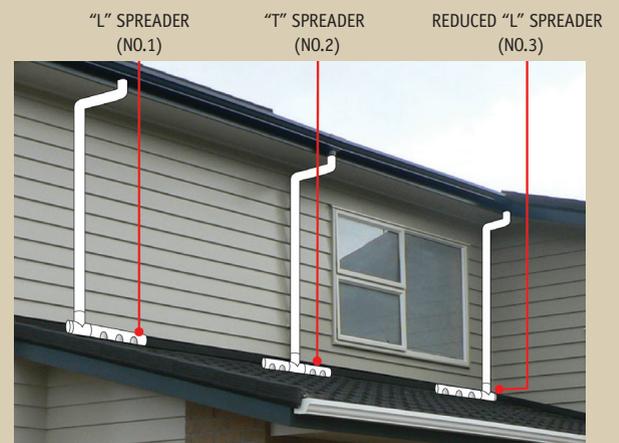
Comments

- Design calculations for a specific roof may allow larger catchment areas per spreader to be used.
- The alternative to a spreader is to direct an upper level downpipe into a rainwater head.
- The ends of the spreaders should be blocked off to avoid sideways flow of water against laps in roof claddings.
- The holes in spreaders should be positioned to allow water to fall onto the roof troughs, not the laps (see Figure 20: Note 1).



The Marley Downpipe Spreader Kit enables the design of a spreader for any type of downpipe positioning. The three types of downpipe positions are as follows :

- The "L" Spreader (No.1) is used when the distribution of water is only possible on one side of the tee.
- The "T" Spreader (No.2) is used when the distribution of water is possible on both sides of the tee.
- The Reduced "L" Spreader (No.3) is used when the tee needs to sit flush against the wall to accommodate the downpipe. In this specific spreader installation the tee will require trimming to the witness mark.
(See step 3 over the page)



You will need

This Marley Downpipe Spreader Kit (SKIT80) which contains:

- 80mm 90° Tee
- 2x 80mm end caps
- 2x stainless steel screws
- Cutting template

PLUS

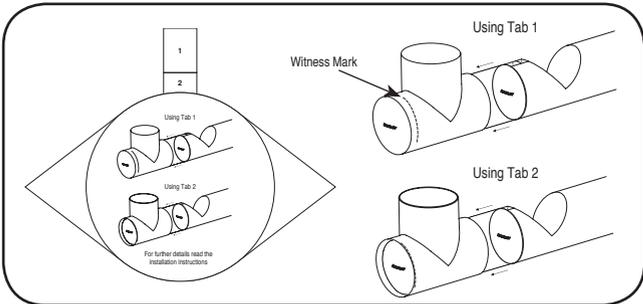
- Marley 80mm downpipe (RP80)
- Marley Solvent Cement (MCS)
- Hacksaw
- Drill with a No.2 square drive and 40mm hole cut saw
- Tape measure
- Pencil





1. Positioning

Select a length of Marley 80mm downpipe (RP80) long enough to allow a minimum of 4 x 40mm holes. Dry assemble the length of pipe with the tee and mark the correct positioning of the 40mm holes. Ensure the holes are aligned with the roof troughs (see Figure 20: note 1).



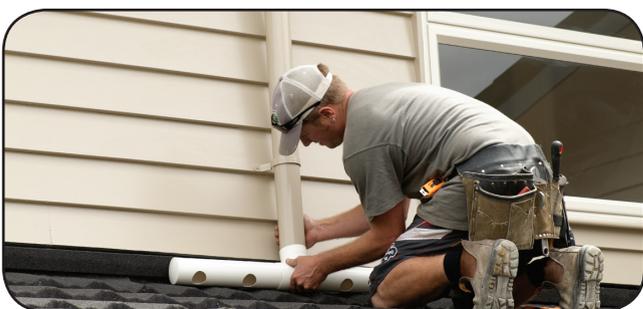
3. Template Positioning

Depending on your "L" spreader design use the marked tabs as shown above. Tab 1 is used for your "T" and "L" Spreader design and Tab 2 is used for your Reduced "L" Spreader design.



5. Fixing the Tee

Use 1 stainless steel screw provided with the kit to ensure a secure fit of the tee to the downpipe. The ideal position for the screw is on the top side of the tee. This allows easy removal for maintenance.



7. Attaching the Spreader to the Downpipe

Once you have completed the spreader attach it to the existing downpipe with Marley Solvent Cement. Then you can paint the spreader to match the colour of your existing downpipe or the spreader can be painted the same colour of the roof.



2. 40mm Hole Cutting

Ensure the holes are positioned in line with each other. Drill the adequate number of 40mm diameter holes using a drill with a 40mm hole cut saw.



4. "V" Cutting

Use a hacksaw to cut the "V" hole following the shape of the template.



6. Fixing the End Caps

Glue each end cap in place with Marley Solvent Cement (MCS).



8. Completed Spreader