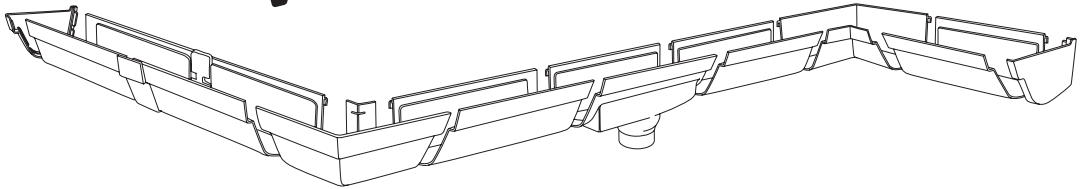




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INSTALLATION
GUIDE

TROPICAL RAINWATER SYSTEM

3
easy steps

- A** calculate the number of downpipes required then estimate the lengths of downpipe and guttering.
- B** fill out the easy-to-use components list to determine the parts required.
- C** fasten the brackets and base plates to the fascia and install the system.

RECTANGULAR DOWNPIPE QTY COST TOTAL

| | | | | |
|------------------------|--|-----|------|--|
| downpipe 3m or 5m | | x\$ | = \$ | |
| 95° socket bend | | x\$ | = \$ | |
| 45° socket bend | | x\$ | = \$ | |
| 95° reverse face elbow | | x\$ | = \$ | |
| 45° reverse face elbow | | x\$ | = \$ | |
| pipe clips | | x\$ | = \$ | |
| dropper outlet | | x\$ | = \$ | |
| joining socket | | x\$ | = \$ | |
| adaptors | | x\$ | = \$ | |

GUTTERING COMPONENTS QTY COST TOTAL

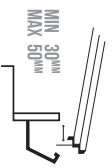
| | | | | |
|-------------------------------|--|-----|------|--|
| tropical guttering 3m or 5m | | x\$ | = \$ | |
| tropical mounting strip 3m | | x\$ | = \$ | |
| brackets (interval of ~ 500m) | | x\$ | = \$ | |
| left hand stop end | | x\$ | = \$ | |
| right hand stop end | | x\$ | = \$ | |
| guttering joiner | | x\$ | = \$ | |
| external angle | | x\$ | = \$ | |
| internal angle | | x\$ | = \$ | |
| expansion outlet for downpipe | | x\$ | = \$ | |
| expansion joiner | | x\$ | = \$ | |
| flexi-expansion joiner | | x\$ | = \$ | |

ROUND DOWNPIPE QTY COST TOTAL

| | | | | |
|------------------|--|-----|------|--|
| downpipe 3m | | x\$ | = \$ | |
| 95° socket bend | | x\$ | = \$ | |
| 112° socket bend | | x\$ | = \$ | |
| pipe clip | | x\$ | = \$ | |
| dropper outlet | | x\$ | = \$ | |
| joining socket | | x\$ | = \$ | |
| 95° junction | | x\$ | = \$ | |
| adaptors | | x\$ | = \$ | |

PLANNING

Work out the length of guttering and the number and size of downpipes needed



the roof overhang should be between 30mm and 50mm to ensure correct water flow

- Identify the locations for the downpipes. These are the low points in the guttering where expansion outlets are fitted directly above storm water or tank outlets.
- Establish a list of components using the information from step 1, and the easy to use components list on the back of this sheet.

3 MAINTENANCE

Icon Plastics guttering and downpipe can be painted in any colour. It is important to remember that dark colours require additional allowance for movement.

To prepare the surface for painting, wipe it down with sugar soap and apply a mineral-based undercoat followed by two coats of the desired colour using acrylic or enamel paint.

The ends of guttering in expansion outlets should be painted so an unpainted line is not visible when movement occurs.

To make sure your new Rainwater System maintains its good looks, clean it once a year using warm soapy water and a car cleaning brush or cloth. Simply rinse it with clean water.

INSTALLATION

MOUNTING STRIP

- Establish the high points. These are best located at a corner midway between downpipe outlets (low points).
- Set a string line from the high point of each run and run to a low point with a fall of 5mm per 1.0 metres.
- Fasten the Tropicall Gutter Mounting Strip along the string line.



CUT AND INSTALL

- Cut the guttering to length and remove any burrs from the cut edge. *TIP: Place wooden blocks inside the guttering for support while cutting.*
- | GUTTERING RUN | ALLOWANCE |
|------------------------------|---|
| Gable end to internal corner | subtract 238mm and 3 further 20mm for each stop end |
| Gable end to external corner | subtract 476mm and 4 further 20mm for each stop end |
| Internal to internal corner | subtract 476mm |
| Internal to external corner | subtract 238mm |
| External to external corner | subtract 80mm |
| Expansion join | measured on temperature setting |
- measured on temperature setting should be verified before cutting*

- Place the length of guttering onto the mounting plate. Make sure it is properly engaged on both lips of the mounting plate.
- Slide the guttering along the mounting plate to the required position.



ICOM WELDING SOLVENT

- When the guttering run is correctly in place, insert the brackets spaced at 500mm intervals. Clip the brackets into the front of the gutter.
- Start an 8-18 x 25 Button S/Drill ZP screw and washer in line with the bracket.



- Slide the bracket behind the washer and finish the screw.



VORTEX AND EXPANSION JOINTS

- Place the vortex outlet onto the mounting plate and use a jigsaw to connect it with one end of the guttering, then slide the other gutter section into position and connect it with a jigsaw.



- Make sure the vortex outlet is positioned directly above a storm water outlet or an outlet to a tank. **NOTE:** If a straight run exceeds 10 metres in length without an expansion outlet, an expansion joint must be fitted to allow for expansion or contraction to both surfaces, hold them together firmly for 15 seconds and allow 10 minutes for drying before use.

DOWNPIPES

- Downpipes should be cut to length and fitted to vortex expansion joints. All joints on pipes and elbows should be welded using Icon Welding Solvent.
- If overhanging eaves require downpipes to be installed with an offset, determine the length of downpipe required for the offset by:*



- Fitting the top downpipe elbow to the expansion outlet without solvent welding.

- Holding a socket band against the wall and measure from the bottom of each socket (measurement Y). This is the length of pipe required for the offset.

NOTE: A pipe clip should be placed under the socket band to prevent slipping. If round downpipes are being installed noticeably all joints should be sealed.

