

All technical data and information is correct at the time of printing

INSTALLATION
GUIDE

CLOUDBURST™

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.










GUTTERING COMPONENTS

	QTY	COST	TOTAL		QTY	COST	TOTAL
4770131 cloudburst guttering 2.4m or 3.6m 		x\$	= \$		4772247 external angle 		x\$ = \$
4775033 brackets (interval of ~ 500m) 		x\$	= \$		4772239 internal angle 		x\$ = \$
4775075 left hand stop end 		x\$	= \$		4772271 expansion outlet for downpipe 		x\$ = \$
4775067 right hand stop end 		x\$	= \$		4775091 expansion/contraction joiner 		x\$ = \$
4775025 guttering joiner 		x\$	= \$		4770910 welding solvent 		x\$ = \$

ROUND DOWNPIPE

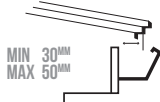
	QTY	COST	TOTAL		QTY	COST	TOTAL
4775766 downpipe 3m 		x\$	= \$		4775813 dropper outlet 		x\$ = \$
4775782 95° socket bend 		x\$	= \$		4779930 joining socket 		x\$ = \$
4775774 112° socket bend 		x\$	= \$		4775790 95° junction 		x\$ = \$
4779948 pipe clip 		x\$	= \$		4775821 adaptors 		x\$ = \$

RECTANGULAR DOWNPIPE

	QTY	COST	TOTAL		QTY	COST	TOTAL
4775596 downpipe 3m 		x\$	= \$		4750056 pipe clips 		x\$ = \$
4773285 95° socket bend 		x\$	= \$		4773552 dropper outlet 		x\$ = \$
4773293 45° socket bend 		x\$	= \$		4773358 joining socket 		x\$ = \$
4773316 95° reverse face elbow 		x\$	= \$		4750059 adaptors 		x\$ = \$
4773324 45° reverse face elbow 		x\$	= \$				

PLANNING

- 1 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

- 2 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.

- 3 Establish a list of components using the information from step 1, and the easy to use components list on the back of this sheet.

Note: Downpipe size should be considered before selecting components. To determine downpipe size, refer to the flowchart guides in AS3500.3 or contact a Registered Plumber.

MAINTENANCE

- 1 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

INSTALL BRACKETS AND BASE PLATES

- 1 Establish the high points. These are best located at a corner midway between downpipe outlets (low points).



- 2 Fasten the first bracket at the high point under the roof overhang.

- 3 Set a string line from the high point of each run and run to a low point with a fall of 5mm per 10 metres



- 4 Fasten the expansion outlet base plate at the low point of the run i.e. the downpipe position. Mark the centre of the outlet on the fascia and line up the base plate with the positioning lugs touching the string line



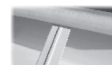
- 5 Fasten all gutter brackets for the run. Set spaces at 500mm or 300mm in high wind or snow prone areas. For external corners, allow 50mm clearance before the first bracket. For internal corners allow 200 mm

CUT AND INSTALL GUTTERING

- 1 Cut the guttering to length and remove any burrs from the cut edge
TIP: Place wooden off-cuts inside the guttering for support while cutting.

- 2 Place the front edge of the guttering onto the bracket ends.

- 3 Make sure the bracket is correctly engaged



- 4 Roll the guttering upwards towards the bracket until the rear top edge locks firmly into the bracket. *If working on a gabled roof, begin fitting the guttering at one end and work towards an expansion outlet*



GUTTERING RUN	ALLOWANCE
gable end to internal corner	subtract 126mm and a further 12mm for each stop end
gable end to external corner	subtract 12mm for each stop end
internal to internal corner	subtract 252mm
internal to external corner	subtract 126mm
external to external corner	-
expansion join	depends on temperature setting

INSTALL DOWNPIPES

Downpipes should be cut to length and fitted to expansion joins. All joins 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:

- 1 Fitting the top downpipe elbow to the expansion outlet without solvent welding.
- 2 Holding a socket bend against the wall and measure from the bottom of each socket. This is the length of pipe required for the offset.

INSTALL EXPANSION OUTLETS

- 1 Slide the expansion outlet onto one end of the guttering, then slide it back in the opposite direction to fit it to the other cut section.

- 2 Check that the guttering does not cover the outlet
Never solvent weld guttering into expansion outlets as movement must be available.



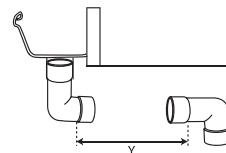
- 3 Place the top of the expansion outlet under the retaining clips on the backing plate and push it into the bottom until it locks into place.



NOTE: If a straight run exceeds 10 metres without an expansion outlet, an expansion joint must be fitted to allow for expansion and contraction. (To fit expansion joints, simply apply Icon Welding Solvent to both surfaces, hold them together and don't move them for ten minutes.



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION. ICON PLASTICS RECOMMENDS THAT RAINWATER SYSTEMS ARE INSTALLED BY A REGISTERED PLUMBER IN ACCORDANCE WITH AS3500.3.



NOTE: A pipe clip should be placed under the socket bend to prevent slipping. If round downpipe is being installed horizontally all joints should be sealed.

