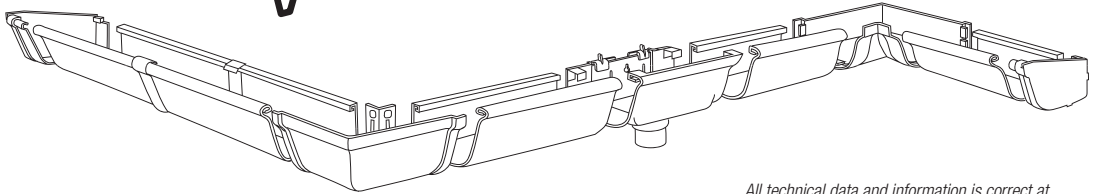




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All technical data and information is correct at the time of printing

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.

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

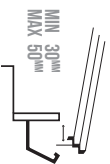
cloudburst guttering 3m or 5m		x\$	= \$	
brackets (interval of ~ 500m)		x\$	= \$	
left hand stop end		x\$	= \$	
right hand stop end		x\$	= \$	
guttering joiner		x\$	= \$	
external angle		x\$	= \$	
internal angle		x\$	= \$	
expansion outlet for downpipe		x\$	= \$	
expansion/contraction joiner		x\$	= \$	
welding solvent		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

- 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  
*The Place wooden struts 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



*If working on a gabled roof, begin fitting the guttering at one end and work towards an expansion outlet*

GUTTERING RIN		ALLOWANCE
gable end to internal corner	substrate 126mm and a further 12mm for each slope end	
gable end to external corner	substrate 126mm	
internal to internal corner	substrate 253mm	
internal to external corner	substrate 126mm	
external to external corner	-	depends on temperature setting
expansion pin	-	

## INSTALL DOWNPIPES

Downpipes should be cut to length and fitted to 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:

- 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.

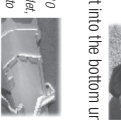
## INSTALL EXPANSION OUTLETS

- 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.



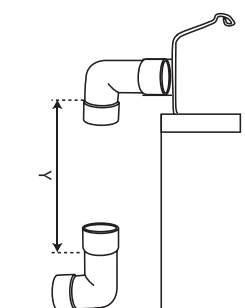
- 2 Check that the guttering does not cover the outlet. Never solvent weld guttering into expansion outlets as movement must be available.

- 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 pin must be fitted to allow for expansion and contraction. Do 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.*