

Vandal-Resistant Downpipe Installation Guide

Gutter outlet / Hopper connection

Connection to the gutter outlet and or hopper is made via a pipe socket. Pipe sockets are supplied with all adjustable eaves offsets. Bespoke offsets can be made to order.

Fixing

Unlike other pipes assemblies, this system is designed to be anti-climbable and therefore fixed flat against the wall with all support fixings concealed. Install in sequence from top to bottom using Alutec 50mm x No.12 countersunk screw, code SC241 with appropriate wall plugs. Unless used for the aesthetic value of the pipe system, shoes at the bottom of the pipes are not recommended. Bends and branches are supplied with loose fixing plates and fixing kit, to allow the plates to be fitted to the required left/right handing orientation.

If fixing to a non masonry background, please call Alutec Technical Services Department for advice.

Jointing

Joint sealing must not be carried out in wet weather or in temperatures below 5°C or above 40°C. Joint surfaces must be perfectly clean and dry. Use a clean cloth and Alutec solvent cleaner, code SC108 to remove all traces of dirt or grease, which may not be visible.

All pipe joints, including connection to the gutter outlet, must be sealed with Alutec sealant, code SC101. Ensure to allow a 3-4mm expansion gap between pipe lengths.

Pipe off-cuts can be used by fitting a pipe socket into a square cut end of pipe.

Drain Connection

Unless a shoe is used to terminate the pipe and discharge over an open gully, drain connections should preferably be made using the appropriate size Alutec square to round drain connector. The adaptor push-fits inside a 110mm Ø ring sealed drain socket. The deep square connection socket allows for an insert and lift slip connection of the bottom pipe between two fixed points.

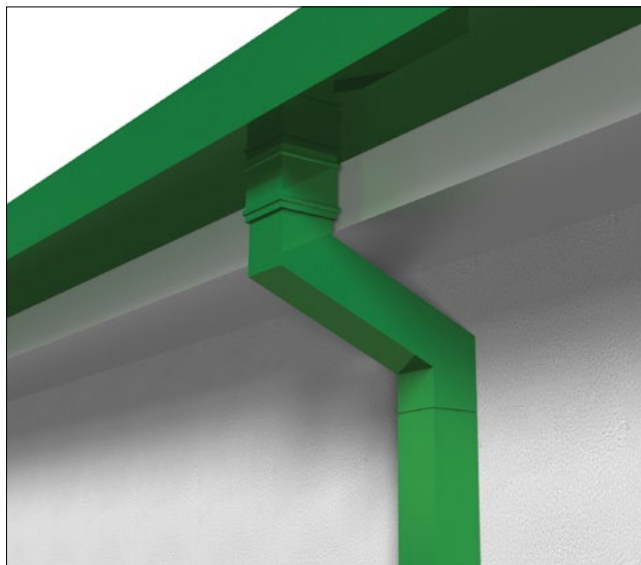
Testing

It is good practice to water test the downpipes after installation. If connected to a gutter system the discharging of flood test water from the gutter should identify any leaks within the downpipe system. For downpipes connected to hoppers or flat roof outlets, discharging water at the top with a hose pipe for a period of 5 minutes under normal mains pressure should suffice. Any leaking joints should be taken apart and re-sealed and re-tested.

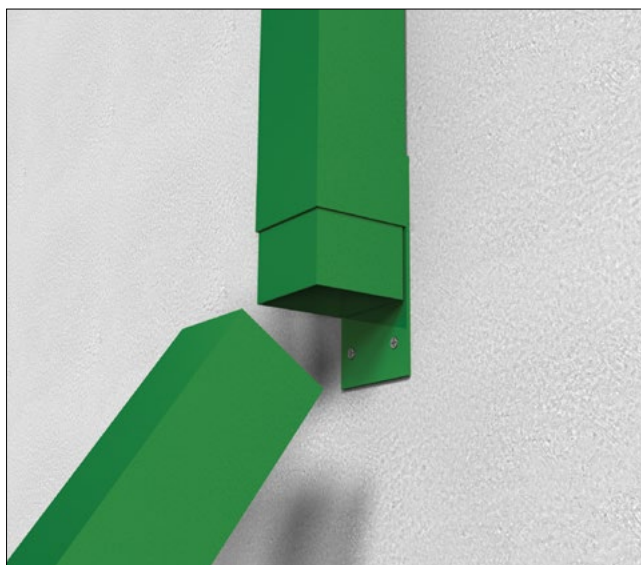
Lightning Conductors

Under no circumstances should rainwater downpipes be used as a lightning conductor to earth. If bonding pipes to a lightning conductor system is required, the specialist installer must use an electrolytically compatible external bonding strap and not drill and bolt through the pipe wall.

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Fixing



Drain Connection

