Flush-Fit Downpipes 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

For fixing to masonry, use the standard pipe clips and fix with Alutec No. 12 x 50mm domehead screw, code SC205 with appropriate wall plugs. One clip to be located over the pipe joint and a further clip 1.5 metres below. Additional pipe clips must be fitted adjacent to inline bends and branches.

Additional spacing from wall

Downpipes can be spaced out a further 30mm from the wall by using Alutec cast spacer bobbins with No. 16 x 100mm hex insert domehead, code SC209 with appropriate wall plugs.

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.

Joints to the gutter outlet connection and joints not on a vertical plane should always be sealed with Alutec sealant, code SC101; remaining joints do not require sealing.

Pipe off cuts can be utilised by fitting an internal joint spigot to a square cut end of pipe and sealed with Alutec sealant.

Drain Connection

Circular pipe

Unless a shoe is used to terminate the downpipe and discharge over an open gully, drain connections should preferably be made using an appropriate adaptor by the drain pipe manufacturer, e.g. connect to vitreous clay or PVCu drainage pipes with a universal EPDM rubber adaptor. For connection to cast iron drainage use a proprietary cast iron step coupling.

Square pipe

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.
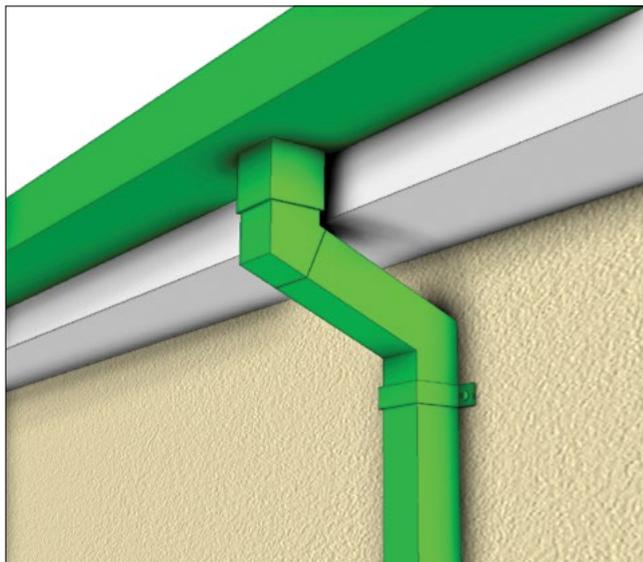
Testing

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.
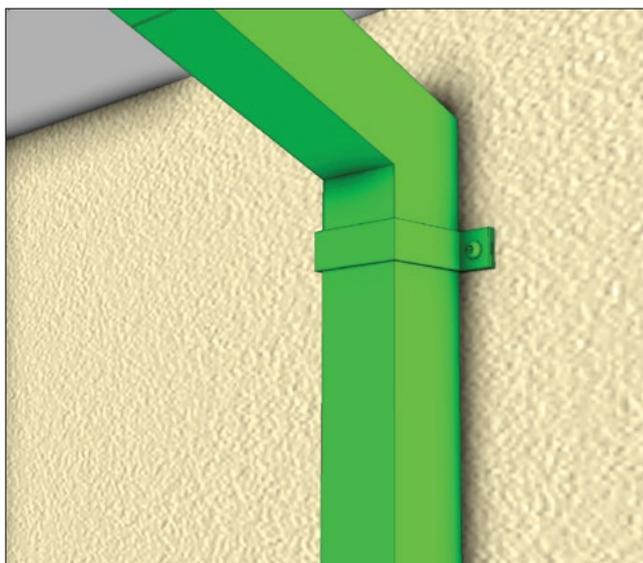
Lightning Conductors

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.
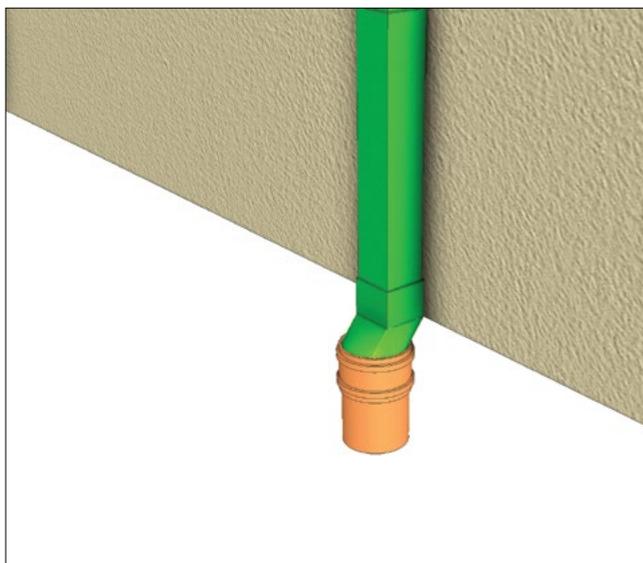
Gutter outlet / Hopper connection

Fixing

Drain Connection

Environmental

Marley Alutec is committed to continually reducing its environmental impact and is accredited to ISO 14001:2004.

Handling & storage

All gutter and pipe lengths are supplied in protective polythene sleeving and components packed in cardboard boxes. If polyester powder coated products are stored outside, cover with tarpaulin to guard against water ingress. If water becomes trapped within the polythene wrapping and left exposed to warm sunlight, it may leave permanent water stains on the paint finish.

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