

Installation Guidance

Guardian Aluminium Downpipes

Ref: IN006RW

General Advice

Generally

BS 8000 Workmanship on building sites, Part 13 Code of Practice for above ground drainage and sanitary appliances: 1989 is relevant in general terms.

Guardian is a 'ground upwards' assembled security pipe system. Systems are assembled from the ground upwards connecting to running outlets which are manufactured on a project by project basis to suit the combination of gutter and downpipe section.

Guardian pipework may be used in conjunction with any Alumasc Aluminium gutter range (Heritage, Aqualine, GX) and this ensures that there will always be a combination of gutter profile and downpipe configuration to match the architectural requirements of individual projects.

Application Procedure

- 1 Tap both 'fixing plates' into the end of the pipe section using the fixing plate 'insertion tool' (Figure 1) or a hammer (use a block of wood or suitable packing as a buffer to prevent damage to the aluminium).
- 2 Fix to the wall using No. 12 x 38mm twin thread zinc plated pan head screws through each plate. (Figure 2)

Figure 1

- Fixing plates inserted into top end of pipe section 1
- Insertion Tool ensures fixing plates are aligned parallel and vertical which prevents inserting fixing plates beyond alignment notches 2

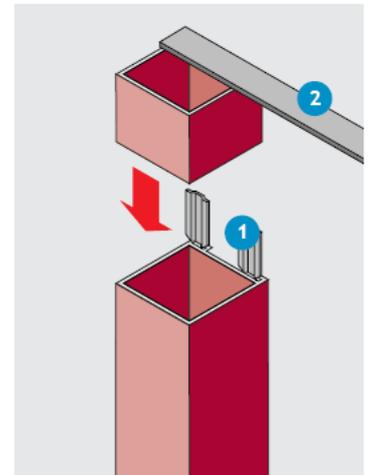
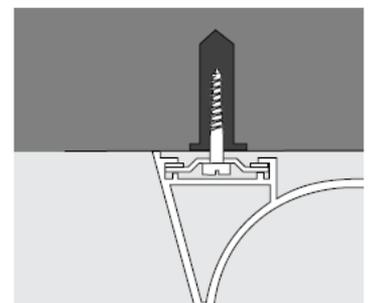


Figure 2



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- 3 Slide the next pipe section into place to mark holes, allowing 3-4mm gap for thermal movement. Drill and plug. Seal pipe junction with bead of low modulus silicone sealant around spigot and fix. (Figure 3)
- 4 Continue to build the stack as above until a point is reached where a connection must be made between the stack and the outlet, hopper or offset.
- 5 Where the gutter length containing the outlet spigot can be positioned last, build up the stack to the required height (trimming the topmost pipe section to the correct length) and secure top plates prior to placing and fixing the gutter outlet.
- 6 Where the gutter outlet is already fixed, a telescopic section with cover piece must be used immediately beneath the offset, or where there is no offset, a straight make up pipe of equivalent length. To allow for this, the topmost pipe section must stop 6/700mm short of the underside of the gutter. (Figure 4)
- 7 After screw fixing the topmost pipe fixing plates, insert the telescopic section.
- 8 Lift the telescopic section to connect with the spigot on the offset or make up pipe.
- 9 Cut a cover piece to fit the gap and fix in place with adhesive. (Figure 4)

Note: Drain adaptors may be required. Please consult Alumasc Technical Services.

Figure 3

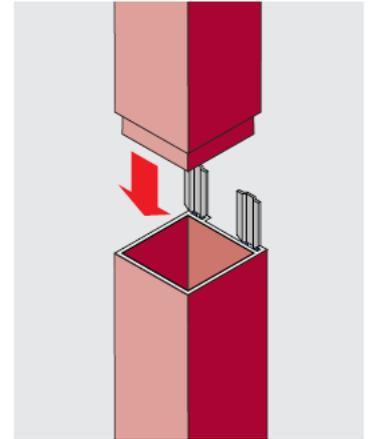


Figure 4

- Line of gutter 1
- Offset or make up piece connecting to gutter 2
- Telescopic section 3
- Cover piece to fit gap 4

