

Aluminium Downpipe Installation Guide

RAINWATER PIPES

SEQUENCE

- 1) Check that drain connection is in correct position and ensure any remedial work necessary is carried out.
- 2) Install pipes using a spirit level to check for vertical alignment.
- 3a) Eared Sockets
 - i) Pipes fixed at collar position only - no intermediate fixings necessary.
 - ii) If no shoe is used, a collar bracket should be used at the base of the pipe.
- 3b) Plain Collar Downpipes
 - i) Fixing brackets should be fitted under the collar (and at extra components). No intermediate bracket is required.
- 4) Stainless steel hammer screws should be used for fixing into masonry.
- 5) Joints should be dry.
- 6) If pipes are fitted over expansion joints, a slot will have to be put in the bracket.

FIXINGS & SEALANTS

We recommend the use of Adshedd & Ratcliffe sealants. Sealant:- ARBOSIL 1090 GREY. Tape:- ARBOSEAL GZ 12 x 3 Charcoal Grey.

We recommend the use of Rivels for gutter jointing aluminium sealed dome head 4.8 x 14.5mm.

FIXINGS - Wherever possible should be stainless steel sometimes self drillers to steel need to be carbon steel.

SITE PAINTING

Materials need to be degreased and primed with a quality aluminium etch primer. If over painting polyester powder coated materials, clean surface with a solvent cleaner and lightly rub down.

Handling and storage - Materials should be handled with care and stored in a safe place to avoid damage especially to the coating.

Cutting and drilling - Standard metalwork tools can be used. All cut edges should be deburred and if coated, touched up with suitable paint.

GUTTERS

SEQUENCE

- 1) Check fixing background, including alignment and that the roof overhang is correct. Ensure any necessary remedial works are carried out.
 - 2) Establish fixing datum line.
 - 3) Start fixing procedures from right to left, starting at a stopend or corner if possible.
 - 4a) If fascia brackets are being used, fix brackets using stainless steel fixings, string lining through for line and level including extra brackets at components
- Or ...**
- 4b) Back fix gutter to fascia using stainless steel fixings.
 - 5) Apply butyl tape and silicone to plain end of next gutter.
 - 6) Rivet joint using aluminium sealed rivets.
 - 7) Clean off any excess sealant to outside of the gutter and touch up rivets.

Levels - We recommend gutters are installed level. If fall required max. 1:600. The height of gutter should be set to prevent overshoot.

Apply top coat, no primers or undercoat is required. with a solvent cleaner and lightly rub down. Apply top coat, no primers or undercoat is required.

TESTING

Whilst it would be preferable to water test the rainwater system, under most site conditions this is not practical. If testing is required it should be done when the system is complete.

The outlets should be blocked and the gutters filled two thirds of capacity. After 5 minutes the joints should be checked, unblocking the outlets and discharging the water will test the pipes. Any remedial works should be undertaken, retest until satisfactory.

For further information contact Gutter Centre on 0330 2231731

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