

## **R10 311 Dales Delta 150 Gutter System in Anodised Finish**

### **Guidance for Quantity Surveyors**

*As all corners, transitions and junctions etc are factory manufactured, these components do need to be measured as "extra over" items within the bills of quantities. Please contact Dales on tel: 0115 930 1521 or email [techinfo@dales-eaves.co.uk](mailto:techinfo@dales-eaves.co.uk) for further clarification.*

## **R10 RAINWATER DRAINAGE SYSTEMS**



### **311 Aluminium Gutters**

**Manufacturer:** Dales Fabrications Ltd, Crompton Road Industrial Estate, Ilkeston, Derbyshire. DE7 4BG. Tel: 0115 930 1521, Fax: 0115 903 7625. Email: [techinfo@dales-eaves.co.uk](mailto:techinfo@dales-eaves.co.uk) Website: [www.dales-eaves.co.uk](http://www.dales-eaves.co.uk). The supplier shall design and manufacture the system in accordance with BS EN ISO 9001:2015 and hold Professional Indemnity Insurance to cover their design activities. The Design of the system, including components, support structure, fixings and sealant, shall accommodate typical loadings/stresses in accordance with relevant British Standards.

**Product Reference:** Dales Delta 150 System.

**Material:** Aluminium anodising quality sheet: J57S UP to EN1396: Alloy 5005H14AQ, supplied by BS EN ISO 9002 registered stockist to ensure traceability & responsible sourcing.

**Nominal Size:** 190x150 mm

**Gauge:** 14 gauge (2mm)

**Finish:** Anodised after fabrication to min. 25 microns to BS3987 by United Anodisers or equivalent

**Colour:**

|                       |                               |                                            |
|-----------------------|-------------------------------|--------------------------------------------|
| Natural Silver        | Colour Ref: UA-100A           | (Specify or delete)                        |
| Anolok Bronze™:       | Colour Ref: _____             | (Specify particular colour code or delete) |
| Anolok™ II Blue Grey: | Colour Ref: _____             | (Specify particular colour code or delete) |
| UV Dye:               | Colour ref: UA- _____ - _____ | (Specify particular colour code or delete) |

See also <https://www.unitedanodisers.com/index.php/about-anodising/colour-swatches.html>

**Fixings:** Fixings recommended for the purpose and supplied by Dales Fabrications Ltd.

**Accessories:** Corners/Transitions/Junction/Stopends/Outlets/Special items to be designed and factory manufactured specifically for the application.

**Method of Jointing:**

Gutter: Joint straps secured in accordance with manufacturers instructions, joints assembled dry with 8mm expansion gap and sealed with low modulus silicone sealant after assembly. Sealant to be provided by Dales Fabrications Ltd.

**Method of Fixing:** Internal gutter brackets fixed at 750mm centres with fixings as recommended for the purpose and supplied by Dales Fabrications Ltd, through pre-punched holes in the back of the gutter and accessories.