

## **R10 311 Dales Delta 150 Gutter System**

### **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 Sheet to BS EN 485/515/573: Grade 1050 AH14, supplied by BS EN ISO 9002 registered stockist to ensure traceability.

**Nominal Size:** 190x150 mm

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

**Finish:** Polyester Powder coated to BS 12206-1:2004, coated only by Syntha Pulvin Approved and BS EN ISO 9002 registered applicators : Polyester Powder coating must be A2 s1, d0 limited combustibility (EN 13501-1: 2018 Classification of reaction to fire)

**Colour:** .....(Specify RAL/BS Colour ref & Gloss-level from Dales' standard range (available from [www.dales-eaves.co.uk/finishes](http://www.dales-eaves.co.uk/finishes))

**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.