Aluminium Dry Valley Trough, Trim & Apex Saddle

Product Information

1.1 TECHNICAL DATA

Product:	C12 Aluminium Dry Valley Trough, C07 Slate or C15 Tile Valley Trim, Cxx Valley Apex Saddle
Material:	Pre-primed Polyester coated Aluminium
Pitch Range:	25° - 60° Degrees with a maximum difference between the two adjacent roofs of 20°.
Roof area on plan draining into valley:	Maximum 100m^2.

We would recommend the use of a low modulus mastic sealant as a “belt & braces” approach at each overlap.

Aluminium Dry Valley Trough, Trim & Apex Saddle

1.2 DESCRIPTION

Aluminium Dry Valley Troughs are an excellent alternative to lead as they are more cost effective, tougher, and more resistant to accidental damage. The use of Aluminium Dry Valley Troughs offers significantly reduced installation time over traditional methods.

1.3 STORAGE

The Kytun C12 Aluminium Dry Valley Trough, Trims and Apex Saddle unit should be stored on a raised platform, not resting on the ground, on a flat, clean and level surface. Crushing or distortion should be avoided by the manner in which the valley troughs are stacked.

Installation

2.1 GUIDANCE NOTES

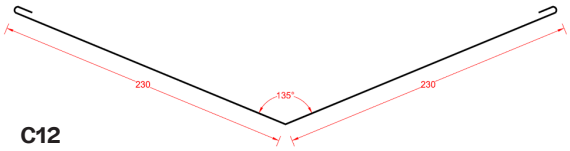
Every site & project will be different but in general there are a number of important principles for the roofer.

- The Kytun C12 Aluminium Dry Valley Trough is a universal product which will work with all slates and flat tiles.
- To ensure the product performs correctly over its lifetime it must be installed in the manner described below. NO deviation from the installation guide is recommended.

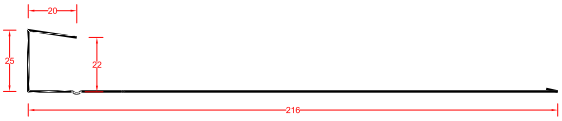
This installation guide is for roofs intersecting at 90°. For roofs of any other intersection angle please contact our Technical department.

It is important when fixing the Kytun C12 Aluminium Dry Valley Trough that the roof tiles/slates lie on a level plane and are installed in accordance with the manufacturers guide. Please ensure you follow the installation information provided by the tile supplier to ensure the slates/tiles are clipped or nailed correctly.

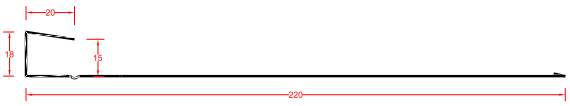
Aluminium Dry Valley Trough, Trim & Apex Saddle



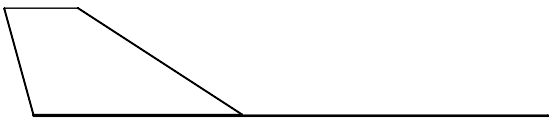
C12



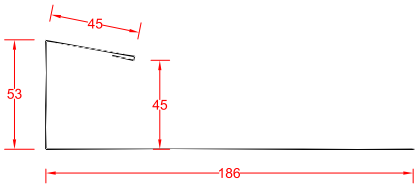
C07N



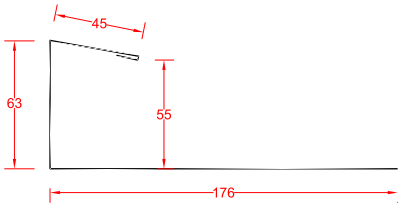
C07



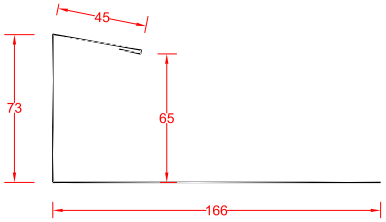
Valley Apex Saddle - Side View



C1545



C1555



C1565

Kytun Dry Valley Trough Installation

1. Due to its design the Kytun Dry Valley Trough does not require the cutting of timbers or the placement of any counter battens. The roof should be battened and underlay placed to the corner. The timberwork will be the same as if using a lead valley.
2. Line the boarded valley with a continuous length of roof underlay, not less than 600mm wide before fitting the valley trough.
3. The C12 Aluminium Dry Valley Trough comes preformed with a 135 degree internal angle. Using its malleable quality, the valley must first be dry fixed into the shape of the valley. This involves putting pressure manually on the pieces to bring the internal angle closer to the angle of the valley.
4. Position the first length of valley trough with the lowest leading edge flush with the outside edge of the eaves course of slates or tiles. Mitre cut the valley trough to suit the eaves angle. The fascia board should be notched to allow the valley trough to drain into the eaves gutter.
5. The first piece of valley trough is to be fixed at 600mm centres at the outer most point straight through the valley trough on both sides using 40mm Galvanised Nail.
6. Repeat the laying process ensuring an overlap of 300mm minimum. A low modulus mastic sealant should be used to seal between the 2 Valley trough sections purely as a precaution.
7. As you reach the top of the Valley ensure the top piece has a minimum length of 1m. Plumb cut to suit the roof pitch and butt the trough against the trough from the other side. The apex intersection can then be finished with our bespoke Valley Apex Saddle unit (see fig 3) or a site fabricated saddle can be produced from a self adhesive lead alternative and dressed into place.

Aluminium Dry Valley Trough, Trim & Apex Saddle

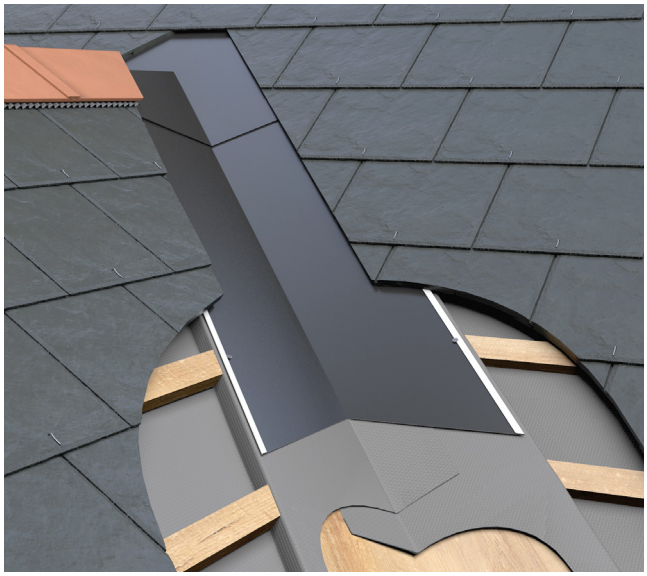


Fig 2. Valley Trough installed

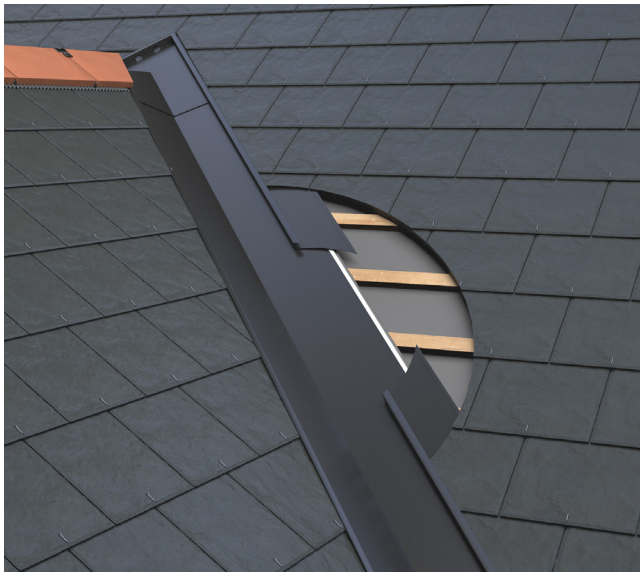


Fig 3. Valley Trough, Trim & Apex Saddle installed

8. Installation of Slate or Tile Valley Trims. Beginnning at the bottom overlay the trim onto the valley piece by a minimum of 100mm. Fix the trim through the flat portion into the slate or tile battens at 600mm centres max using a 40mm Galvanised nail.
9. Sleeve the next length of trim into the previous by pressing gently on the top of the jaw profile.
10. At the top of the valley, mitre the Valley trims to meet each other.
11. Slate or tile as to manufacturers instructions.

Kytun

IRL (Head Office)
Keenaghan
Kilmacrenan
Letterkenny, Co. Donegal
F92 DW64
T: +353 (0) 74 91 39500
E: info@kytun.com

UK (Manufacturing Centre)
Senhouse Road
Darlington
Durham
DL1 4YB
T: +44 (0) 168 429 3702
E: info@kytun.com