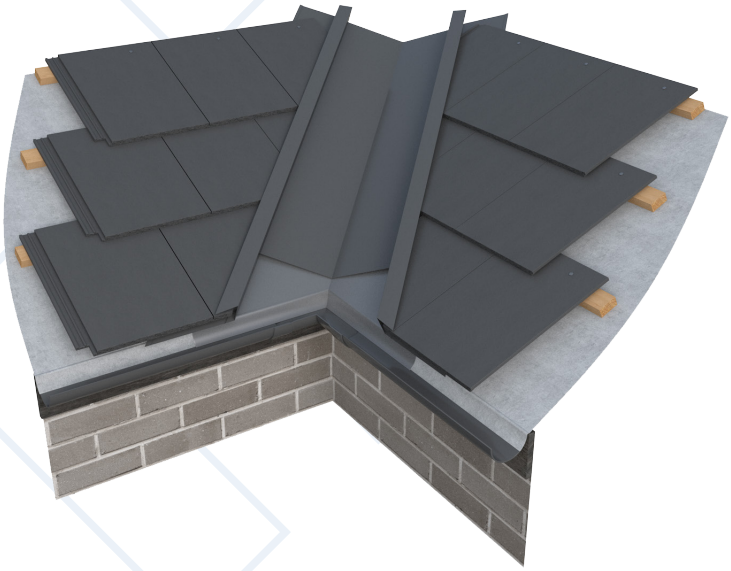
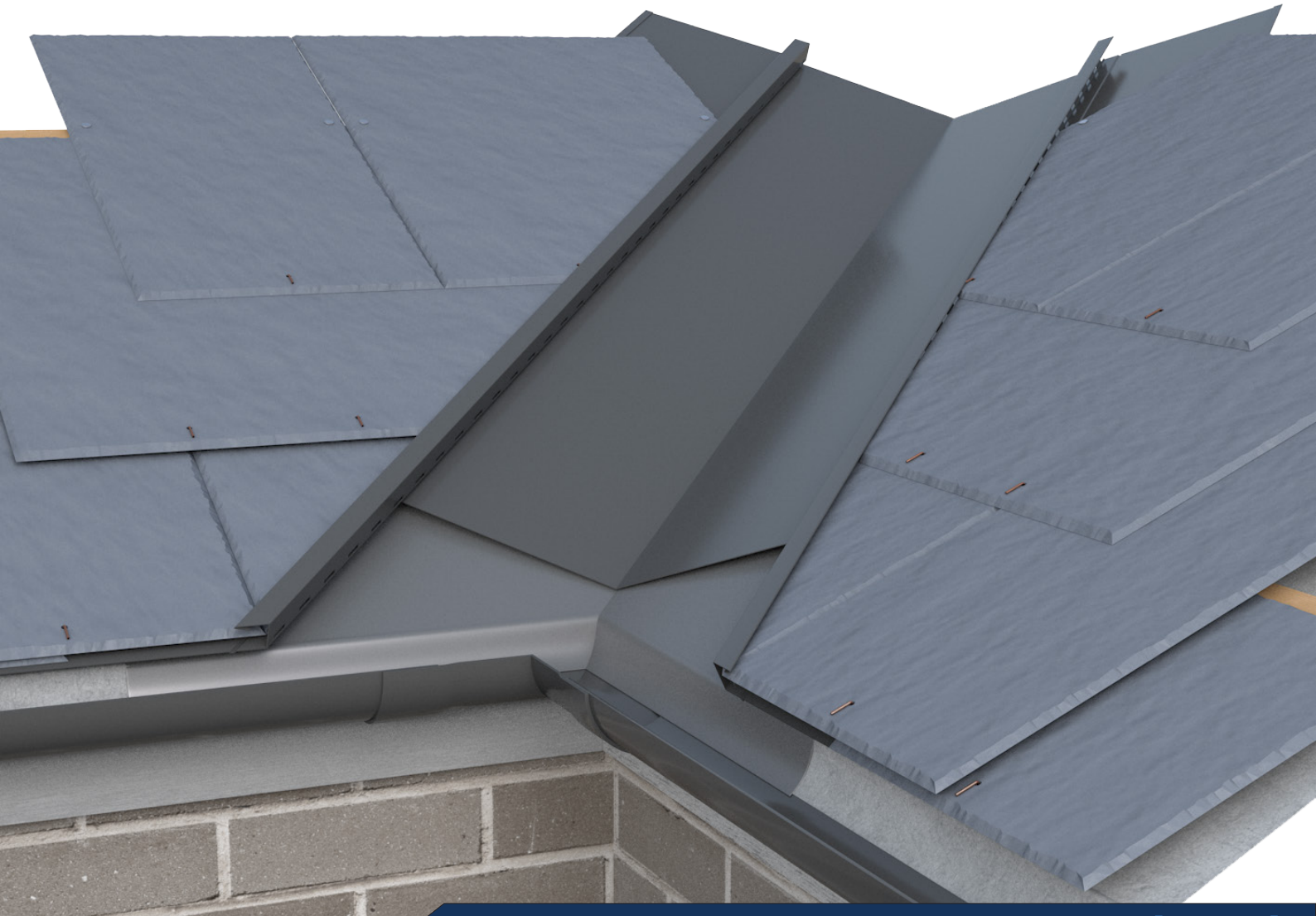
NorthWest® Aluminium



INSTALLATION GUIDE

DRY VALLEY TRIM & TROUGH



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INSTALLATION GUIDE

DRY VALLEY TRIM & TROUGH

1. Introduction

1.1 TECHNICAL DATA

Product:	C12 Dry Valley Trough – Aluminium C07 or C15 Valley Trim
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.

1.2 DESCRIPTION

Aluminium 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 Valley Troughs has significantly reduced installation time over traditional methods.

1.3 STORAGE

The KYTUN C12 Dry Valley Trough 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 capping's are stacked.

2. 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 Dry Valley Trough is a universal product which will work with Concrete Slates & 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 roof of any other intersection angle please contact our Technical department.

It is important when fixing the KYTUN C12 Dry Valley Trough that the roof tiles/slates lie on a level plane be 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.

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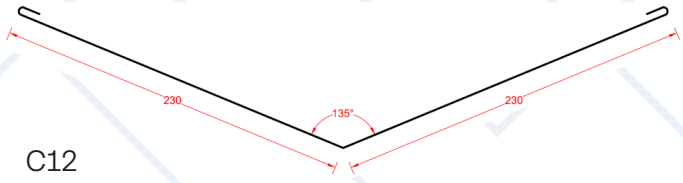
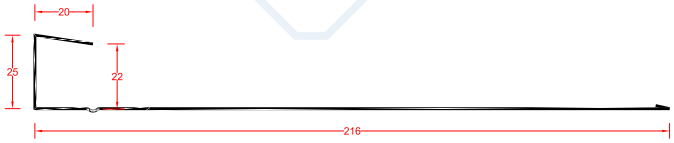


C12



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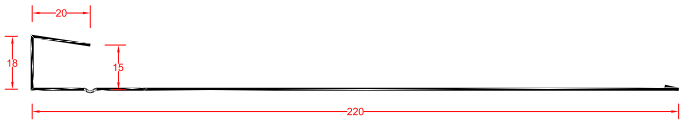

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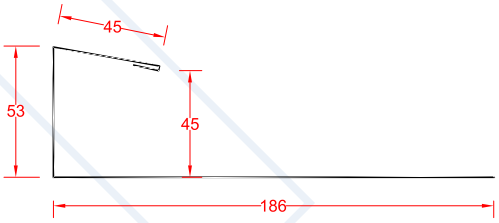

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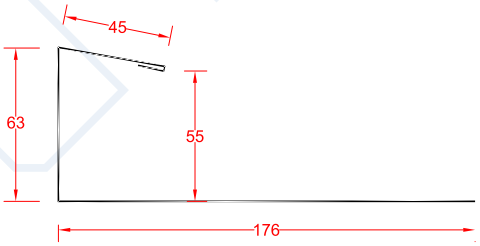

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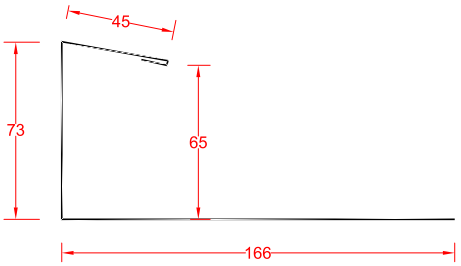

C1565

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. Some roofers apply a layer of DPC to where the Valley Trough will be fitted. This is not necessary but does provide an additional layer of protection.
3. The C12 Valley Trough comes preformed in 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. The first Valley Trough piece is placed at bottom with bottom edge protruding to match the finishing line of slates.
5. The first piece of valley trough is to be fixed at 600mm c/c at the outer most point straight through the valley trough on both sides using 40mm Galvanised Nail with rubber washer.
6. Repeat the laying process ensuring an overlap of 400mm minimum. A low modulus mastic sealant should be used to seal between the 2 Valley trough sections purely as a precaution.

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Fig 2. Valley Trough installed

Fig 3. Valley Trough and Trim installed

7. As you reach the top of the Valley ensure the top piece has a minimum length of 1m. Cut to suit and butt the trough against the Trough from the other side. Using a lead alternative dress the intersection of the 2 valleys.

8. Next get your lengths of Tile or Slate Valley Trim onto the roof for installation. 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 battens at 600mm c/c max using a 40mm Galvanised nail.

9. Sleeve the next piece into the previous by pressing gently on the metal.

10. At the top of the valley, mitre the Valley trim to meet each other.

11. Slate or tile as to manufacturers instructions.