



EUROPEAN PLASTICS

PLASTICS FOR THE BUILDING INDUSTRY

GRP

GRP Roofing Range



Slate Valley



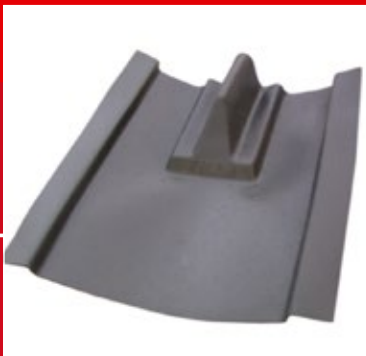
Dry-Fix Bonding Strip



Tile Valley



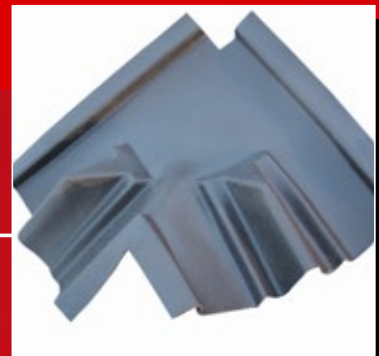
Eaves Closure



Dry Valley Tile



Top Closure



GRP V-Flow Roofing

Dry Fix Valley, Bonding Gutter, Abutment Soakers

V-Flow GRP Bonding Strip Jointing Strip (Secret Valley)

GRP Bonding Strip is manufactured from glass fibre/polyester laminate with a UV-resistant polyester film on the upper face. A sanded strip is bonded along the upper face to provide a key for bedding the roof tiles into mortar.

The Bonding Strip gives a weatherproof seal between adjacent roofs. Joins any combination of double lap or interlocking slates, clay or concrete tiles, with minimum disturbance to the adjacent roof.

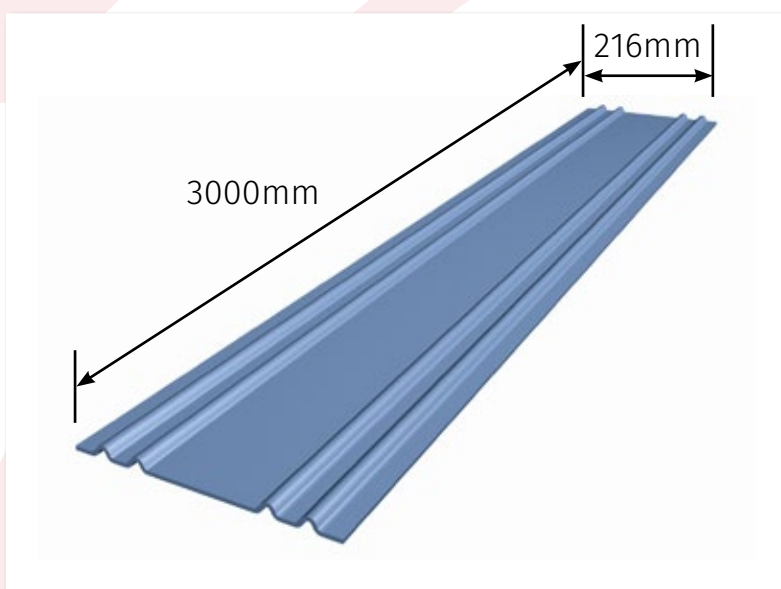
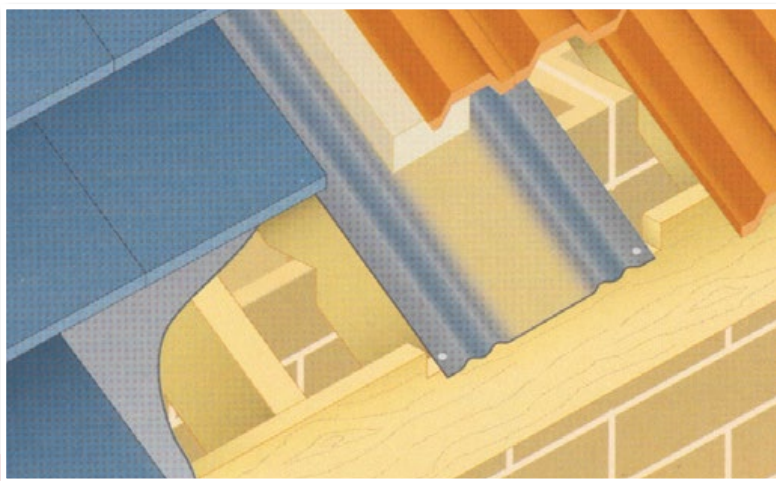
The packs should be stored flat or on end, on a smooth, clean, dry surface; under cover and protected from sunlight.

Installation

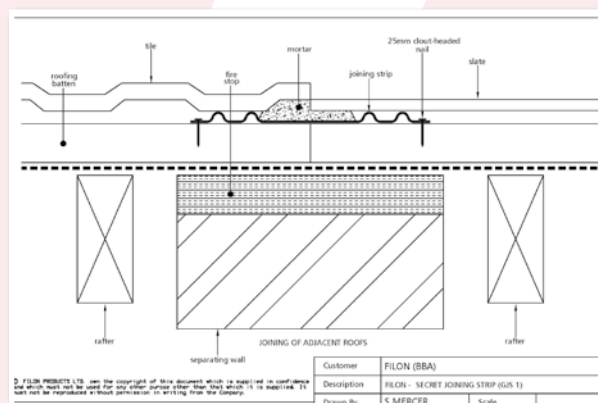
The end tiles/slates on both roofs should be removed to expose the construction over the party wall. Before fitting, it is advisable a fire stop is fitted to the top of the party wall, to ensure that fire cannot spread between the 2 buildings.

Starting from the eaves, lay and fix the bonding gutter using clout head nails at approx. 1m centres, ensuring the sanded strip is situated centrally over the party wall. Consecutive lengths of the jointing strip requires a minimum lap of 150mm.

A mortar bed is applied to the sanded strip. The slates or tiles are fixed on both sides, ensuring they are located and butted up centrally over the bonding gutter. Ensure the mortar does not enter the water channel of the slate or tile.



SIZE	3000mm long x 216mm wide
MATERIAL	UV Glass fibre/Polyester laminate. BBA
PACK SIZE	10 per pack . 16kg per pack
PRODUCT CODE	EP-GJS1
BENEFITS	Lightweight and flexible. UV Resistant, Provides a weather tight seal between adjacent roofs with different finishes.



V-Flow GRP Abutment Soaker Secret Gutter (Unlipped)

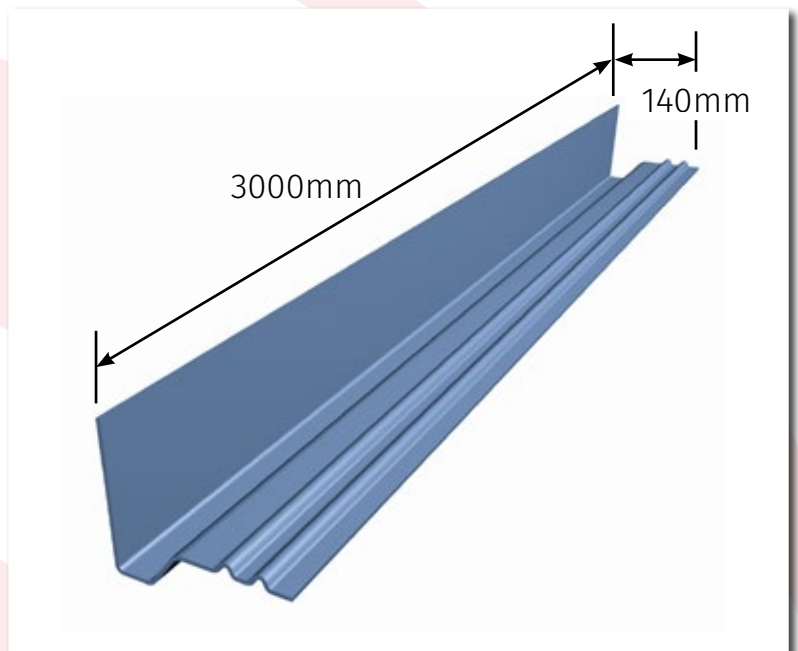
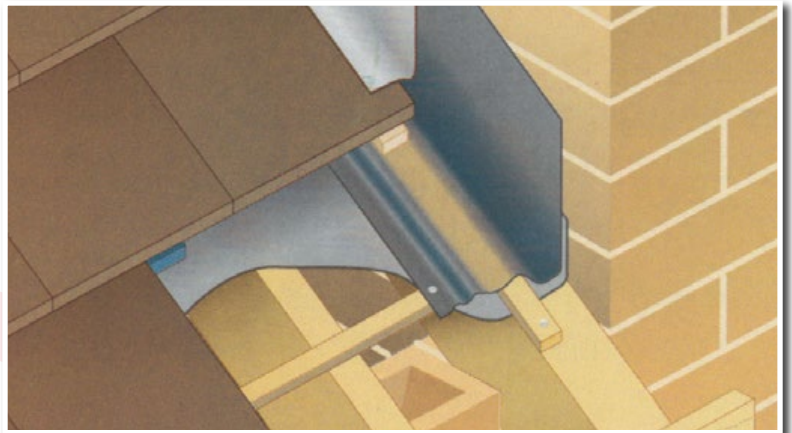
GRP Abutment Soaker is manufactured from glass fibre/polyester laminate with a UV-resistant polyester film on the upper face. A sanded strip is bonded along the upper face to provide a key for bedding the roof tiles into mortar.

The Abutment Soaker gives a weatherproof protection seal between a sloping roof and a vertical abutment. The two bars on the section prevent moisture from entering the roof space.

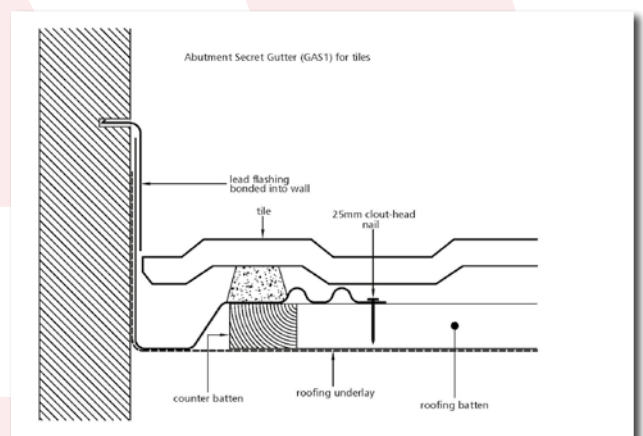
Installation

The roof underlay is laid as in normal practice, with the underlay finished and turned approximately 100mm up the abutting walls. Battens should be cut 50mm short of the abutment wall and nailed to the rafter, using clout head nails. Noggins may be needed to be fixed flush to the top of the rafters to anchor the battens. The soaker is nailed at 500mm centres to the roof battens. At the ridge, the abutment flashing should be mitred and dressed with a Code 4 lead.

It is advisable to use double slates/tiles to eliminate the possibility of small sections require fixing. Where tiles are used, these should be bedded onto mortar which is applied onto the sanded strip running along the length of the product. It may be necessary to break off the nibs of concrete tiles to eliminate a kick-up. Code 4 lead stepped flashing is used to dress over the abutment flashing upstand. It may be necessary to trim the fascia board to allow any water to be discharged into the rainwater gutter. Alternatively, a tilting fillet may be used.



SIZE	3000mm long x 140mm wide
MATERIAL	UV Glass fibre/Polyester laminate. BBA
PACK SIZE	10 per pack . 17kg per pack
PRODUCT CODE	EP-GAS1
BENEFITS	Lightweight and flexible. UV Resistant, Provides weatherproof protection between a sloping roof and a vertical abutment.



V-Flow GRP Valley Trough Slate Valley (Standard Fixing)

The **GRP Slate Valley** is a modern cost-effective alternative to using a traditional lead valley when used with natural and man made slate coverings.

At a fraction of the cost and weight of lead, GRP valleys are supplied in convenient 3mt lengths, which are easy to transport and handle on site. GRP products are easy to cut, and sufficiently flexible to allow for a variety of roof pitches.

GRP valley troughs are manufactured from a lead grey, glass reinforced polyester, and applied with a UV inhibiting film to the external surface.

Installation

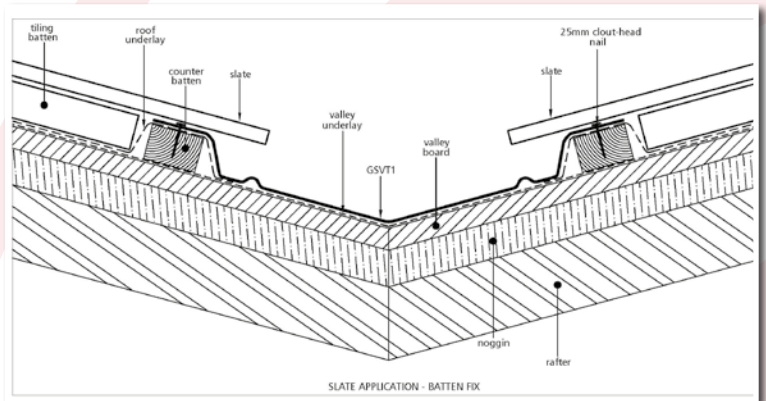
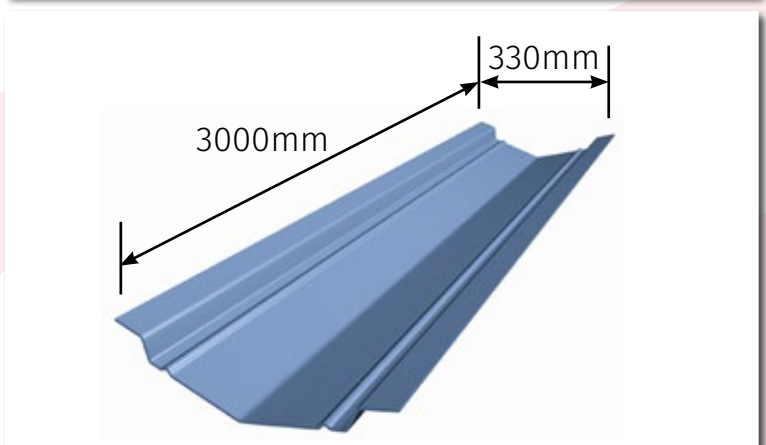
Valley boards should be fitted of sufficient width to provide support for the roofing battens, and must be flush with the top of the rafters; or a 6mm ply-wood laid over the rafters.

The valley is first lined with a strip of roofing underlay along the length of the valley, to be 1m wide.

A length of valley should be pressed into the valley and marked with a chalk line, where a longitudinal batten will be fixed as support for the edge of the valley.

Starting at the base of the valley, the troughs should be nailed onto the longitudinal batten with large head clout nail at 500mm centres, through pre-drilled 8mm holes.

Consecutive lengths of valley should have a minimum overlap of 150mm. At the top of adjoining troughs, the units should be mitred and dressed with a code 4 lead saddle. The fascia board may need to be trimmed to ensure full water flow into the rain water gutter.



SIZE	3000mm long x 330mm wide
MATERIAL	UV Glass fibre/Polyester laminate. BBA
PACK SIZE	10 per pack . 19kg per pack
PRODUCT CODE	EP-GSVT1
BENEFITS	Cost-effective alternative to lead. Life expectancy of over 30 years. Lightweight, flexible and easy to transport.



V-Flow GRP Valley Trough Tile Valley (Standard Fixing)

GRP Tile Valley (360mm), is the modern cost-effective alternative to using a traditional lead valley when used with concrete or clay roof tiles. At a fraction of the cost and weight of lead, GRP valleys are supplied in convenient 3mt lengths, which are easy to transport and handle on site. GRP Valleys are easy to cut, and sufficiently flexible to allow for a variety of roof pitches.

A 400mm wide valley is available for longer runs and a wider valley;

A 400mm Flat Fixing valley is available when using sarking boards.

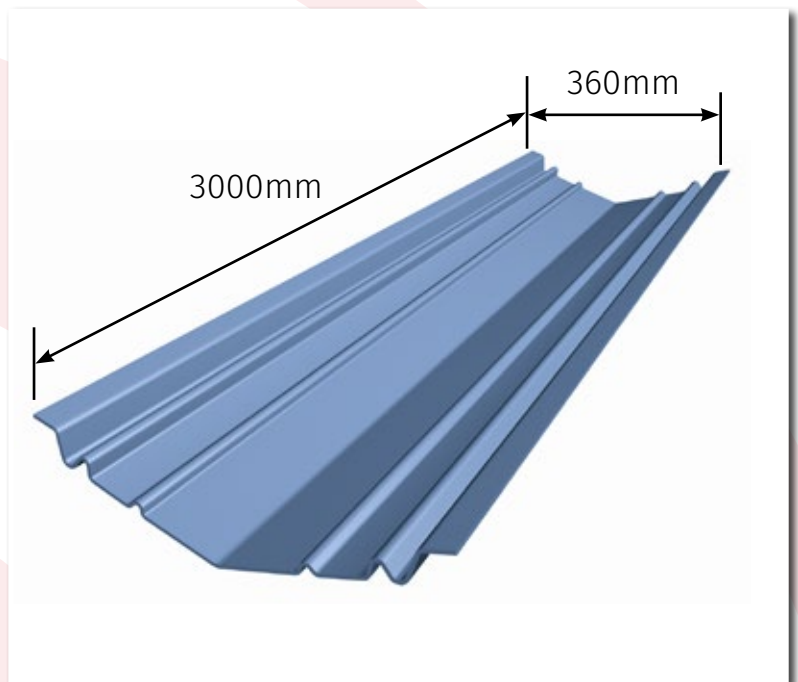
Installation

Valley boards should be fitted of sufficient width to provide support for the roofing battens, and must be flush with the top of the rafters; or a 6mm plywood laid over the rafters.

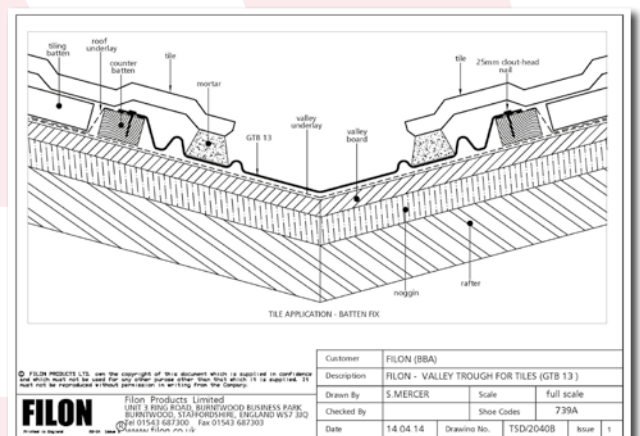
The valley is first lined with a strip of roofing underlay along the length of the valley, to be 1mt wide. A length of valley should be pressed into the valley and marked with a chalk line, where a longitudinal batten will be fixed as support for the edge of the valley.

Starting at the base of the valley, the troughs should be nailed onto the longitudinal batten with large head clout nail at 500mm centres, through pre-drilled 8mm holes.

Consecutive lengths of valley should have a minimum overlap of 150mm. At the top of adjoining troughs, the units should be mitred and dressed with a code 4 lead saddle. The fascia board may need to be trimmed to ensure full water flow into the rain water gutter.



SIZE	3000mm long x 360mm standard width
MATERIAL	UV Glass fibre/Polyester laminate. BBA
PACK SIZE	10 per pack . 24kg per pack
PRODUCT CODE	EP-GTB13
BENEFITS	Cost-effective alternative to lead, Life expectancy of over 30 years. Lightweight, flexible and easy to transport.



V-Flow GRP Dry Valley

High & Low Profile

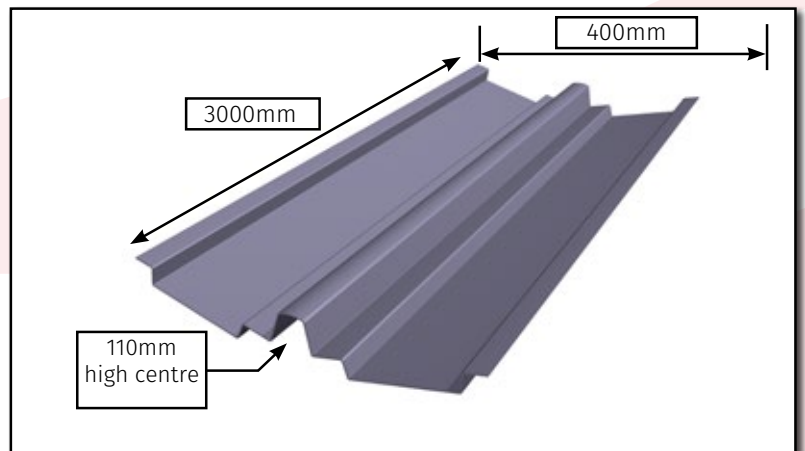
A **GRP Dry Valley** is a mortarless system which provides a maintenance free means of discharging water from the roof, which is suitable for use with slates, interlocking and profiled roof tiles.

The Dry Valley is supplied in 3mt lengths, in **Low**, **Mid** and **High** profiles, depending on the roof covering being used. They can be fixed as an **Under Batten** profile (Fig. 1), or as an **Over Batten** profile (Fig. 2). They are finished in a standard lead grey colour.

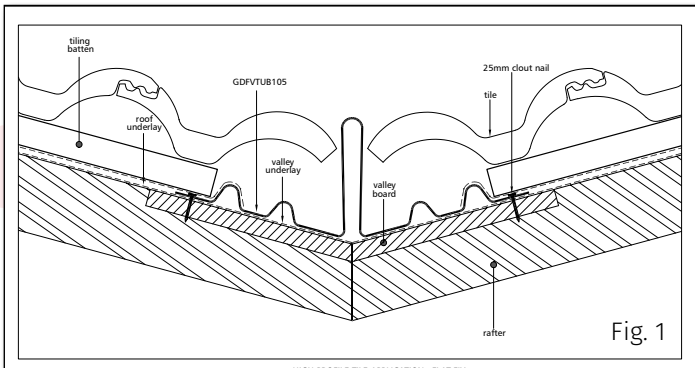
The Dry Valley creates a close-cut appearance on a new build and refurbished properties where fixing times can be cut by up to 50% over traditional methods.

Eaves Closures and Top Closures

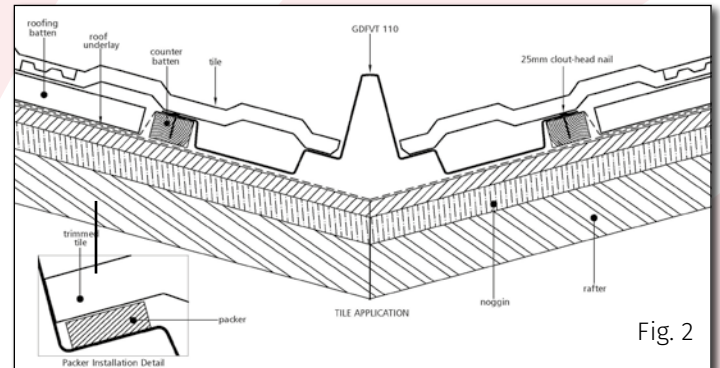
Eaves Closures and Top Closures are used for overlaying on the ends of GRP valleys, which give a clean finish, and alternative to lead or mortar, which are manufactured from a flexible and durable polyurethane.



Under batten Dry Valley



Over batten Dry Valley



PROFILE	UNDER BATTEN FIXING			OVER BATTEN FIXING	
SIZE	3000mm long x 400mm wide			3000mm long x 400mm wide	
MATERIAL	UV Glass fibre/Polyester laminate.			UV Glass fibre/Polyester laminate	
PACK SIZE	10 per pack			10 per pack	
PACK WEIGHT	55mm (21KG)	80mm (26kg)	105mm (30kg)	70mm (26kg)	110mm (32kg)
PRODUCT CODE	55mm: EP-TUB55	80mm: EP-TUB80	105mm: EP-TUB105	70mm: EP-GDFV70	110mm: EP-GDFV110
BENEFITS	Improved Drainage. No Mortar. Improved Appearance. Time saving				

V-Flow GRP Dry Valley Eaves and Top Closure

The GRP Valley Troughs are suitable for roof pitches up to 60 degree, and strongly recommend that plywood or timber valley boards should be used. The underlay and battens are fitted as standard practice, with a batten running the length of the valley on each side to accommodate the external raised water bar section.

When using the Eaves Closure, the 150mm long GRP pre-cut valley section support should be positioned close to the eaves (**Image 1**). The eaves closure piece should be overlaid onto the GRP pre-cut valley section (150mm overlap), ensuring the GRP valley edges are positioned over the longitudinal battens (**Image 2**). At the highest point, fix with a large headed clout nail into the longitudinal batten.

The Valley Troughs are fitted onto the valley boards and firmly fixed from the eaves closure section upwards, (**Image 3**). Using suitable large headed roofing nails on either side of the trough and through the top flat section of the water bar, at a minimum of 500mm centres.

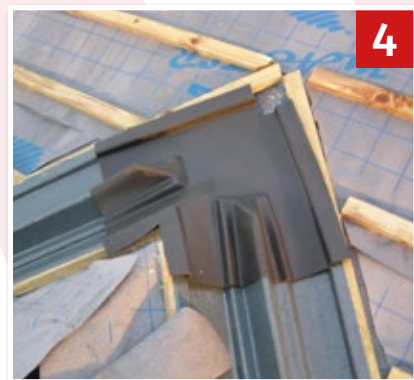
All overlaps should be at least 150mm, and care should be taken to ensure the central raised section is not distorted, and positioned central to the valley. If the valley trough finishes with a corresponding valley at the ridge, the top closure piece can be used. These closure sections overlap the valley troughs and underlap the slates or tiles that form over this point. (**Image 4**)

The longitudinal battens of each valley should meet and be mitred so that the top of the top closure can be fixed with a suitable roofing nail to stop any movement. The top closure then overlaps both valley troughs by 150mm and forms a neat, tidy waterproof seal. (**image 4**)

Tiles or Slates can now be laid into and over the troughs. When cutting the tiles or slates, it is important that neither should be forced to fit, in case of distortion to the central upstand. In some instances small cuts will be required, and self adhesive packers are supplied with the valley to support these small cuts if required (**see the detailed x-section on page 20**)

When slating or tiling is complete, the eaves closure section should be cut with a sharp knife or scissors to allow water to discharge into the rainwater gutter. It is important to ensure that the valley troughs are cleared of any debris on completion, so water flow is not impeded.

Top Closure DFVTC70, DFVTC110
Eaves Closure DFVTC570, DFVTC5110



V-Flow Dry-Fix Bonding Strip

High & Low Profile

A Dry-Fix Bonding Strip is a mortarless system which creates a weather tight joint between dissimilar roof coverings on adjacent roofs, and joins any combination of slates or flat and profiled tiles.

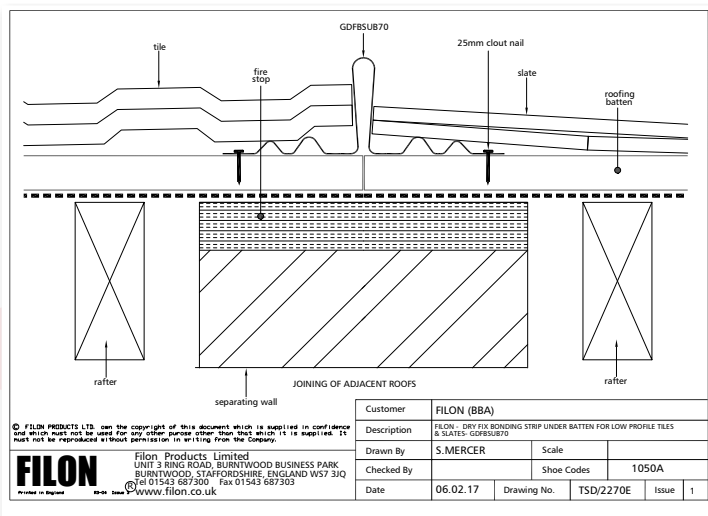
The Dry-Fix Bonding Strip is supplied in 3m lengths, in **70mm (Low)** and **100mm (High)** profiles, depending on the roof covering being used. They are finished in a standard lead grey colour, and are BBA Letting air through. Keeping moisture out!

The Dry-Fix Bonding Strip creates a close-cut appearance on refurbished properties where fixing times can be cut by up to 50% over traditional mortar methods.

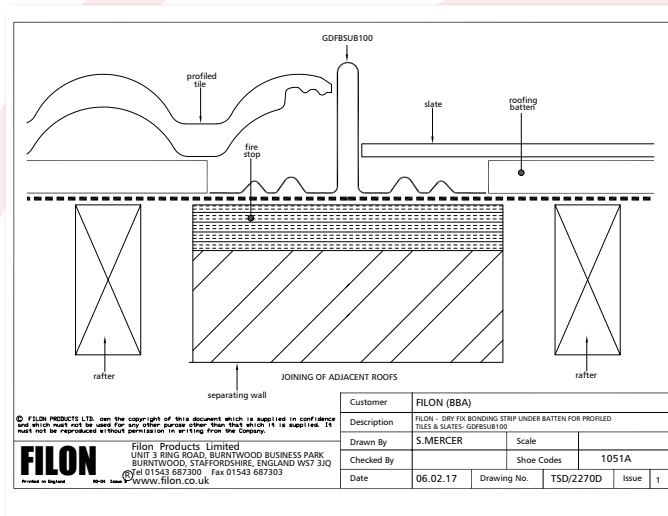
Packs should be stored flat or on end on a smooth, clean dry surface; under cover and protected from sunlight.



70mm Dry-Fix Bonding Strip



100mm Dry-Fix Bonding Strip



SIZE	3000mm long x 225mm wide
MATERIAL	UV Glass fibre/Polyester laminate.
PACK SIZE	10 per pack .
PACK WEIGHT	Low Profile 70mm (16kg) High Profile 100mm (21kg)
PRODUCT CODE	70m= EP-SUB70 100mm= EP-SUB100
BENEFITS	Improved Drainage. No Mortar. Improved Appearance. Time saving

