

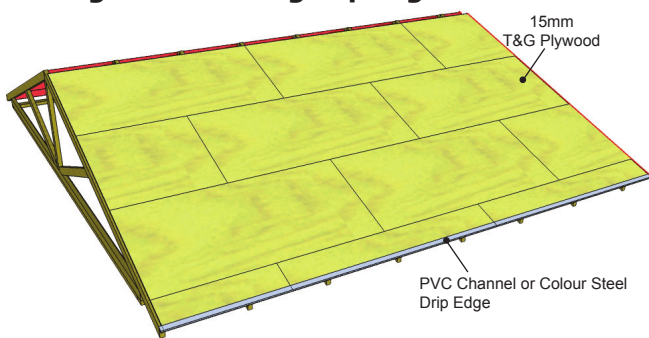
### 1.31 - Felt Underlay Installation

After the plywood has been laid and is sufficiently dry, it is normally covered with 15lb Felt underlay, which is lapped 50mm horizontally and 100mm vertically.

For roof pitches between 9.5 - 15 degrees, a double layer of felt is required. Alternatively a Bitumen Self Adhesive Membrane can be used.

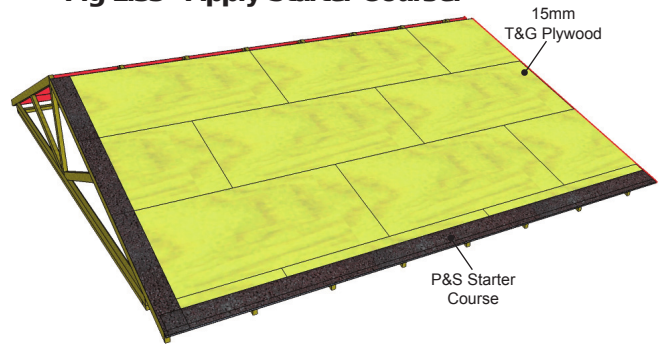
Shingles should not be laid on roof pitches less than 9.5 degrees.

**Fig 1.32 - Installing Drip Edges.**



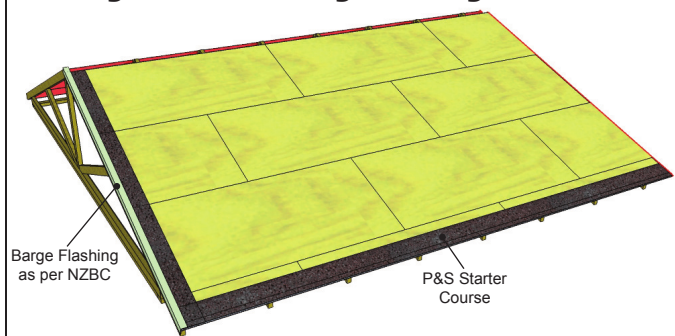
PVC Channel or a Colour Steel flashing is installed to create a drip-edge.

**Fig 1.33 - Apply Starter Course.**



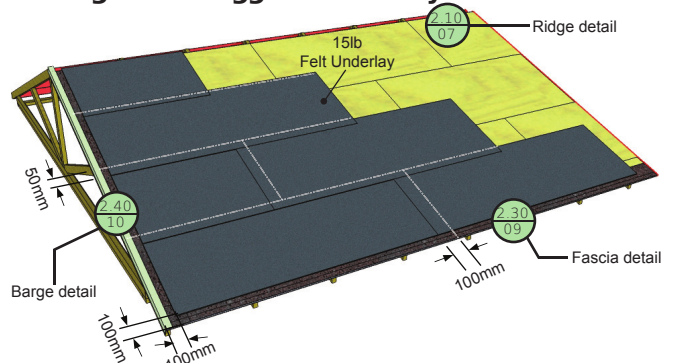
225mm wide Peel and Stick (P&S) Starter course is applied over drip edge flashing onto plywood and shall be over-lapped by 100mm at junctions.

**Fig 1.34 - Install Barge Flashing.**



Barge Flashing is the responsibility of the roof installer and shall be installed over 15lb felt underlay as shown below.

**Fig 1.35 - Staggered Underlay installation.**



Underlay is over-lapped 50mm horizontally, 100mm vertically and over the P&S Starter course with 100mm exposure as shown above.

File Name:  
1.31 - Underlay Installation Guide.ai

Scale:  
N/A

Drawn By:  
I.M

Date:  
28th January 2013

Drawing Name:  
Underlay Installation Guide

Sheet:  
03

**ASPHALT SHINGLE**  
ROOFING SUPPLIES LTD

Ph: 09 636 7051 | Fax: 09 636 7053 | Free Ph: 0800 261 116 | e-mail: info@asphaltshingle.co.nz  
www.asphaltshingle.co.nz | PO Box 24 676, Royal Oak, Auckland, New Zealand

- \* All constructions are to comply with New Zealand Building Standards and Territorial Authority Regulations.
- \* The contractor shall verify all dimensions and levels on site before commencing work.
- \* These drawings are not to be used for construction without Territorial Authority Consent.
- \* Do not attempt to reproduce these drawings in any unlawful manner without the consent of Asphalt Shingle Roofing NZ.
- \* These drawings may be utilised in order to create working drawings for submittal to a Territorial Authority or certifier for consent purposes.