



**Ridges:** In duo-pitched roofs the underlay from one elevation should overlap the other by at least 150mm see figure 3. The underlay should be sealed around penetrations through the roof at the ridge to accommodate high level void ventilation. With mono-pitched roofs the underlay should be extended over the mono ridge by at least 100mm. It is recommended that the underlay be extended to provide protection to the ends of roof timbers.

**Verges:** At verges the underlay should be lapped over the outer walling (typically brickwork) by at least 50mm. Where the verge has a constructed overhang the underlay should be fixed to the outer rafter.

**Abutments:** The underlay should be returned up the abutment by at least 75mm below either a proprietary plastics or lead flashing – see figure 4.

**Hips and valleys:** Should be covered with a separate 600mm wide strip of Underlay.

**Details:** Ensure that when detailing around service penetrations, roof lights or chimneys the underlay is dressed a minimum of 100mm to the up-stand and is effectively sealed and weathered by an appropriate flashing.

### Regulation requirements relating specifically to Southern Ireland\*

Section 2 of Technical Guidance Document F, provides guidance on the requirements for ventilation of roofs. This specifies that:

All warm roofs should have a 50mm gap between the covering and underlay, which means that counter battens must be used.

There is no requirement for counter battens in cold roofs with most slating and tiling systems. If an airtight tiling system is used, BS 5250 requires battens over rigid sarking to facilitate ventilation of the batten space.

In Republic of Ireland in a non ventilated cold roof the use of a vapour control layer on the warm side of the insulation is essential. See section relating to installation in relevant Irish Agrément certificate identified on the roll insert.\*

\* Not applicable to RoofTX® Extra.

### Health and Safety

Care should be taken in handling materials at height. In particular ensure that manual handling regulations are not exceeded. Sufficient edge protection, netting, appropriate scaffolding and hoisting are necessary to ensure the safe application of roofing underlays. Before work commences a method statement and risk assessment should be prepared.

### Standards and Guidance

It is important to note that BS5250 requires that low resistance (LR) underlays be supported by third party certification, e.g. BBA, IAB, where they are to be used within an unventilated cold pitched roof.

BS 5534, British Standard Code of Practice for slating and tiling for pitched roofs and vertical cladding provides guidance and recommendations for the appropriate detailing and installation of underlays and roofing components, which should be followed when installing Don & Low products.

The British Board of Agrément has issued an Information Bulletin (No 2) relating to good site practice when using permeable roof tile underlays. This highlights :

An underlay is not a total waterproof barrier and, if used as a temporary waterproof covering, some rain penetration may occur.

In certain conditions, particularly if there is persistent heavy rainfall combined with subsequent severe freeze/thaw conditions, an underlay should not be exposed for more than a few days.

A full copy of this BBA Information Bulletin No 2 – Permeable Roof Tile Underlay Guide to Good Site Practice is available from the BBA website [www.bbacerts.co.uk](http://www.bbacerts.co.uk)

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Figure 3 - Overlap Detail

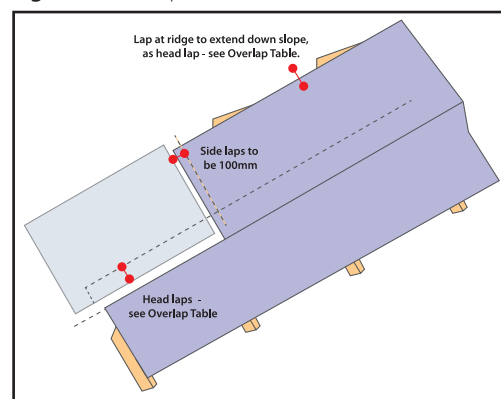


Figure 4 - Abutment Detail

