

PLAIN EASY SYSTEM



✓ **LOW PITCH
TILE SYSTEM**

✓ **PITCH AS
LOW AS 17.5°**

✓ **EXTENDS
ROOF LIFE**

The patented Plain Easy roofing system has been designed to improve the weather proofing properties of double lap plain tiles and can be installed as low as 17.5 degrees.

Plain Easy does not affect the final appearance of the roof and is designed with the finished roof and standard construction methods in mind.

Even with the additional cost of Plain Easy, there is still a construction cost saving, as well as a net saving on the roof of just over a ton.

Plain Easy should never be installed below 17.5 degrees.

Plain Easy is compatible with tiles where the manufacturer would recommend a 35 degree pitch or less. Plain Easy may not be compatible with handmade, reclaimed or imported tiles. Please contact our technical team for further advice on compatibility at post@permavent.co.uk.

Important Guidelines

Plain Easy is designed for nails to be directly fixed through it and into the batten.

A line of Plain Easy should be inserted directly under every course of whole tiles and continued up the roof.

Below 20 degrees the 'perps' (perpendicular abutment joint) must be closed or pushed together tightly.

When installing the plain tiles, the perp should never be any wider than 5mm.

When installing plain tiles below 20 degrees (never lower than 17.5 degrees) the perps should always be closed.

Counter battens should be used when installed at 20 degrees or lower.

The maximum rafter length of a roof should be 5.5 metres.

A course of eaves/top tiles should be used on the final course prior to the ridge or cover flashing being installed.

A dry hip or ridge system that incorporates a sealing strip (usually butyl) should be used under the ridge or hip tiles.

Where bonnet hips are required, Plain Easy should be cut close to the curve of the bonnet. Lite Lead should then be used over the lower bonnet to join the corner of the adjacent Plain Easy strips.

Bonnet hips should not be used at a roof pitch where the top of the bonnet is positioned so that it runs backwards into the roof.

The top cover flashing should extend down the roof by 200mm. The front edge should be sealed using specialist tape or high performance sealant and tabbed in place.

Do not discharge a downpipe.

Prior to installation, ensure the roof and tiles are cleaned and treated to prevent moss growth. The roof should also be maintained to avoid moss growth after installation.

Standard and centre upstand GRP valley details are acceptable. Plain Easy should be cut to the rake of the valley and stop 20mm back from the edge of the tile. Lead valleys should be a minimum of 450mm wide and must incorporate a raised tilt fillet and back welt in accordance with lead sheet association details.

Installation Specification

Plain tiles should always be installed in a broken bond arrangement, with Tile and Halves always used. Do not use cut tiles that are less than 125mm wide.

38mm x 25mm treated and graded batten must be used. Make sure there is a 10mm high (minimum) counter batten when installed over insulation and sarking boards.

Ensure the ventilation and/or installation requirements of the roof have been met.

Plain Easy can only be guaranteed when installed with Permavent DRY underlay. Permavent DRY is our specially designed underlay that incorporates our high quality functional film between our special condensation control fleece and indestructible top layer.

Permavent cannot be held responsible for condensation problems that arise from the use of inferior roofing underlays.

Installation Measurements

Plain Easy weighs: 400g per length, 8.2kg per pack (20) and 415kg per pallet (50 packs). 1 length of Plain Easy will protect approx. 7 tiles. 8.5 lengths required per m² (at 100mm gauge). 1 pack of 20 length covers 2.35m². One tube of sealant is sufficient for approx. 55 lap joints (55 lengths). A 5m roll of 300mm Lite Lead is sufficient for 25 soakers or a 2.5m rafter run.

Installation Procedure

An EPS (Eaves Protection System or Tilting Fillet) should always be used on all roofs, especially low pitch installations.

Install Permavent DRY breather membrane on the roof in the usual way with a 150mm horizontal lap, these laps should be taped using Permalap (Permavent's single sided membrane tape). Fit the roofing battens as normal.

Install the eaves or starter course of tiles in the usual manner (fig. 1). Place the first strip of Plain Easy on top and fix with 2 non-ferrous nails in the batten of the first full tile course (fig. 2).

Plain Easy must be sealed when finishing against side abutment walls and chimneys etc. where soakers are required.

To avoid water from permeating the soaker at a low pitch, Permavent's Lite Lead self-adhesive flashing should be used instead of standard soakers.

Lite Lead should be applied to a clean and dry surface, unstable stone or brick should be primed. Lite Lead has a protective backing that makes it easy to cut and shape, this backing should be removed immediately prior to installation.

Lite Lead: 300 can be easily cut into a minimum of 200mm strips with approx. 50mm firmly adhered to Plain Easy (fig. 3).

A standard stepped or cover flashing can then be used over the Lite Lead soakers (fig. 4).

Along the tile course, Plain Easy should be lapped at the side by 75mm (fig. 7).

Using snips or a sharp knife cut and remove the top corner of Plain Easy up to 75mm long and 15mm deep (fig. 5).

This cut prevents the lap from 'kicking up' the tile that is placed over the lap.

Apply a line of high performance sealant and close the lap firmly to seal it in place (fig. 6). Nail in place and continue to tile the course (fig. 7).

Place the next course of tiles directly on top of Plain Easy and fix in accordance with the manufacturer's instructions (fig. 8).



Note:

Fold over the edge of the breather at the verge/abutment (welted edge)

