

REDLAND RAPID FLASHING

Installation Instructions for Open Secret Gutter



Version: 4

Date: September 2012

Author: Michael McHugh/Kevin Ley

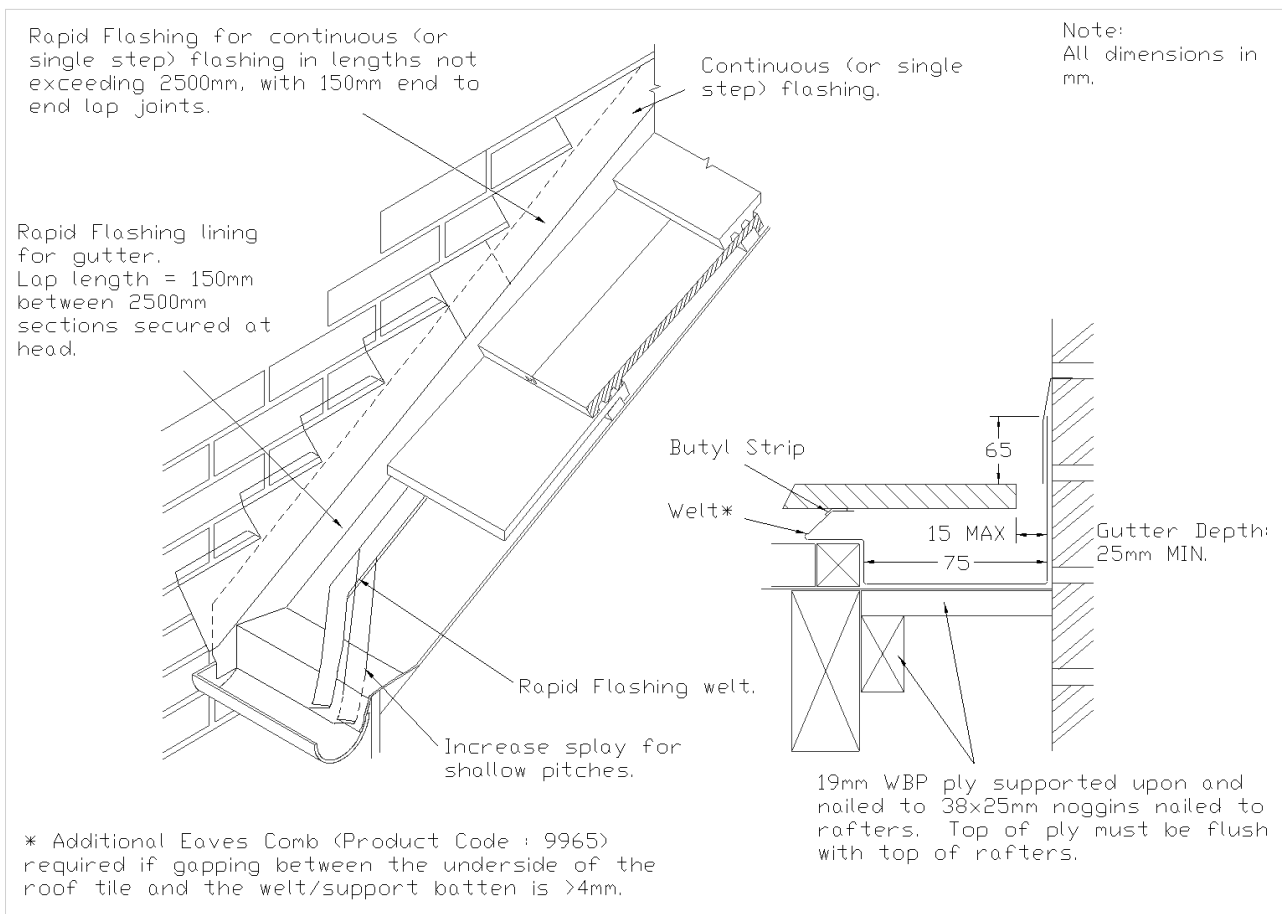
Department: Redland Technical Solutions

1 Installation

1.1 OPEN SECRET GUTTER CONSTRUCTION DETAIL

Redland Rapid Flashing is a versatile flashing material that can replace lead in most pitched roofing applications including pitched valley and gutter details. An alternative detail to using a step and cover flashing, or continuous cover flashing, with (for flat interlocking roof tiles) or without (for profiled interlocking roof tiles) GRP secret gutter (9596) at a side abutment is to use an open secret gutter with a continuous (or single step) wall flashing. This alternative detail can be used on roof slopes with a minimum rafter pitch of 15 degrees. The construction and installation of this detail using Rapid Flashing is shown in the drawing below and described in Section 1.2. The gutter should be a minimum 75 mm wide with a timber support below to fully support the gutter lining. A gutter depth of 25 mm will be adequate to cope with rainwater discharge in storm conditions according to the Lead Sheet Association. As the open secret gutter detail does not use a cover flashing the roof covering is finished not more than 15 mm from the wall.

Note: For situations where the flow of rainwater is likely to exceed the capacity of the open secret gutter, or if there is a risk of blockage due to leaves, pine needles and other roof debris, a step and cover flashing, or continuous cover flashing, with (for flat interlocking roof tiles) or without (for profiled interlocking roof tiles) GRP secret gutter (9596) is recommended instead of the open secret gutter detail.



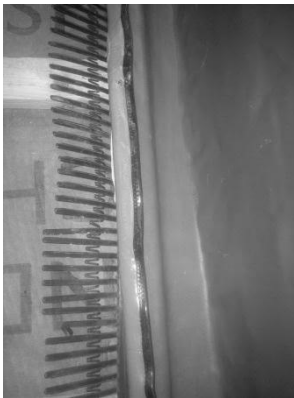
1.2 FIXING INSTRUCTIONS



Dress the Rapid Flashing gutter lining over the support batten and up against the wall as per construction detail in Section 1.1. Use a roller to dress the Rapid Flashing into the sub-structure. The lining pieces should not exceed 2500mm in length. Each lining piece should be secured at the head with a felt nail (and covered by lining piece above with minimum lap of 150 mm). Ensure the backing of the Rapid Flashing is removed such that the flashing is bonded to the structure. Felt tacks must be used to fix the flashing to the top of the support batten at 300 mm centres. The open secret gutter should be a minimum 75 mm wide and 25 mm deep. The top of the gutter lining upstand against the wall should not be less than 65mm above the surface of the tiles.



Install the continuous (or single step) wall flashing as per construction detail in Section 1.1. ensuring it overlaps the gutter lining upstand against the wall; remove the backing and ensure the wall flashing is bonded to the gutter lining upstand. Where the Rapid Flashing overlaps the support batten, fold it back on itself to create a welt as per detail in Section 1.1. Ensure the sticky butyl backing is facing upwards so that it will adhere to the underside of the perimeter roof tile when laid.



For profiled interlocking roof tiles, and flat interlocking roof tiles where the gapping between the underside of the roof tile and the welt/support batten is greater than 4 mm, it is recommended that an additional eaves comb (9965) is fitted between the Rapid Flashing and support batten as shown. The comb is nailed into the support batten behind the welt. Otherwise the eaves comb can be excluded e.g. double lapped slates and plain tiles, most flat interlocking tiles.



Lay and fix the roof tiles as per the Redland fixing specification (contact Redland Technical Solutions (Tel. 08708 702595) for a fixing specification tailored to the specific project). Ensure the correct tile bond is maintained for the tile used and that the perimeter tiles adjacent to the wall are nailed and/or clipped as per the Redland fixing specification (Note: Screwing of the perimeter tiles is also acceptable if a minimum 20 mm screw penetration into the batten is achieved). Where the tile nibs interfere with the support batten and secret gutter they should be removed. The slates and tiles should be laid close to the wall ensuring no more than a 15 mm gap is left between the edge of the roof covering and the wall.

2 Notes

- Do not walk or stand on the Rapid Flashing
- Clear all dirt/items from the gutter
- For use with pressure treated or untreated timber. Ensure no chemical timber preservatives are applied to the timber.
- The system should be installed to prevent any area of standing water
- Any damage to the surface of the Rapid Flashing must be fully replaced across its full width

For further information, please contact Redland Technical Solutions (Tel. 08708 702595)