

REDLAND DRY BONDING GUTTER

Installation Instructions for Redland Dry Bonding Gutter



1 Introduction

1.1 TECHNICAL DATA

Dimensions: 3 m long x 210 mm wide
Material: Glass-fibre/polyester composite.
Pitch Range: 17.5°-60°.

No sealing or jointing material is required if the following overlaps are used for adjoining Redland Dry Bonding Gutter sections :

Rafter Pitch	Below 22.5°	22.5-29°	30-39°	Over 39°
Overlap	350 mm	300 mm	200 mm	150 mm

1.2 DESCRIPTION

Redland Dry Bonding Gutter is a product designed for tiled pitched roofs where you want to weatherproof the junction between two different roof coverings. It is manufactured from glass-fibre/polyester laminates in a continuous process to two profiles:

Dry Bonding Gutter for Low Profile Tiles (9580) – with central upstand 70 mm, available in standard lead grey colour in 3 m lengths.

Compatible with double lapped natural slates and fibre-cement slates, flat interlocking tiles including all Redland Slate Range tiles (Cambrian Slate, Landmark Slate 10, Richmond 10, Saxon 10, Mockbond Richmond 10, Mini Stonewold, Mockbond Mini Stonewold, Stonewold II) and Redland DuoPlain.

Dry Bonding Gutter for High Profile Tiles (9578) – with central upstand 100 mm, available in standard lead grey colour in 3 m lengths.

Compatible with double lapped plain tiles including Redland Plain Tile, Heathland, Rosemary Clay, profiled interlocking tiles including all Redland Profile Range tiles (Cathedral Clay Pantile, Old Hollow Clay Pantile, Landmark Double Pantile, Landmark Double Roman, Grovebury, 50 Double Roman, Regent, Renown, Norfolk Pantile, 49 Tile), and metal profiled sheet.

For other roof coverings please contact Redland Technical Solutions (Tel. 08708 702595) to check suitability.

The Dry Bonding Gutters can be retro-fitted either into existing roofs or installed in new roofs.

1.3 STORAGE

The Dry Bonding Gutters can be stored outside above the ground on a flat, clean and level surface. The profiles should be stacked such that crushing and distortion is avoided and for long or indeterminate periods of storage outside the Dry Bonding Gutters should be protected with an opaque weatherproof covering.

2 Installation

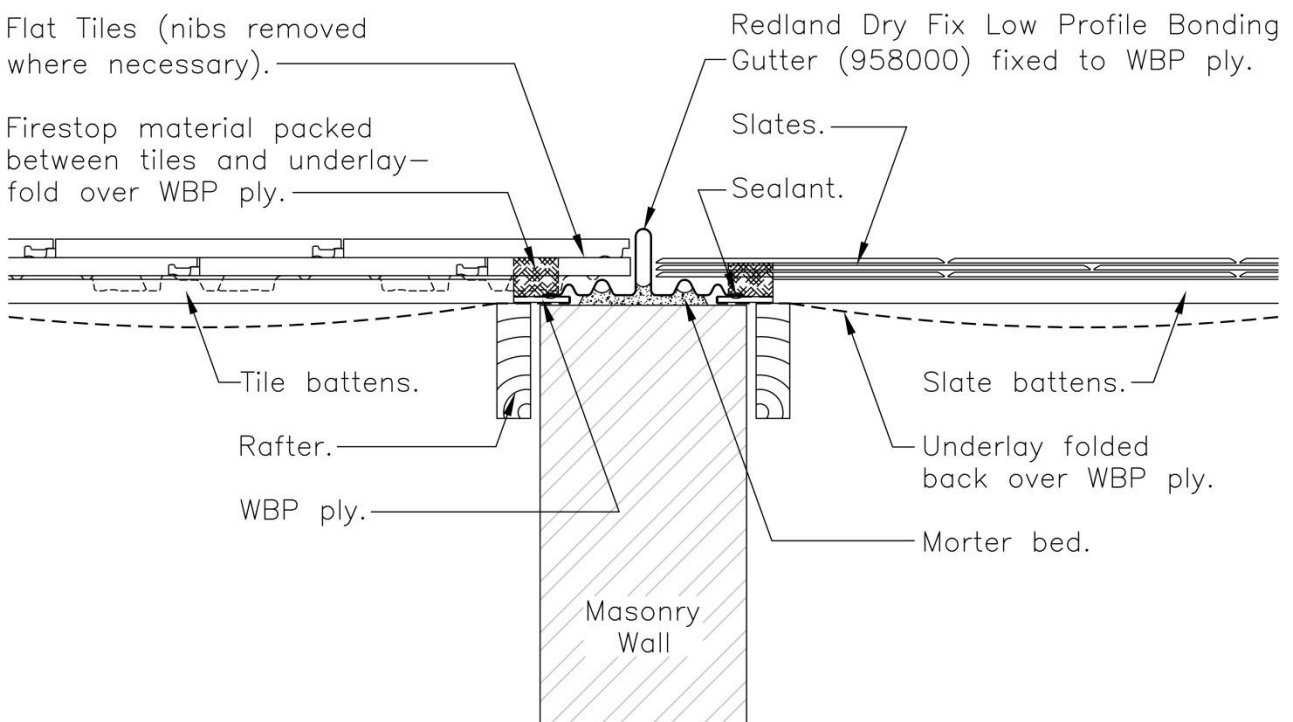
2.1 GUIDANCE NOTES

Redland Dry Bonding Gutters are suitable for both traditional cold roof and warm roof construction. They can be used wherever you want to join two different roof coverings on a pitched roof slope. Typical construction scenarios include, but are not restricted to, adjoining roofs over fire-break masonry party walls, and also non-fire-break walls. Typical construction details can be found in Section 2.2.

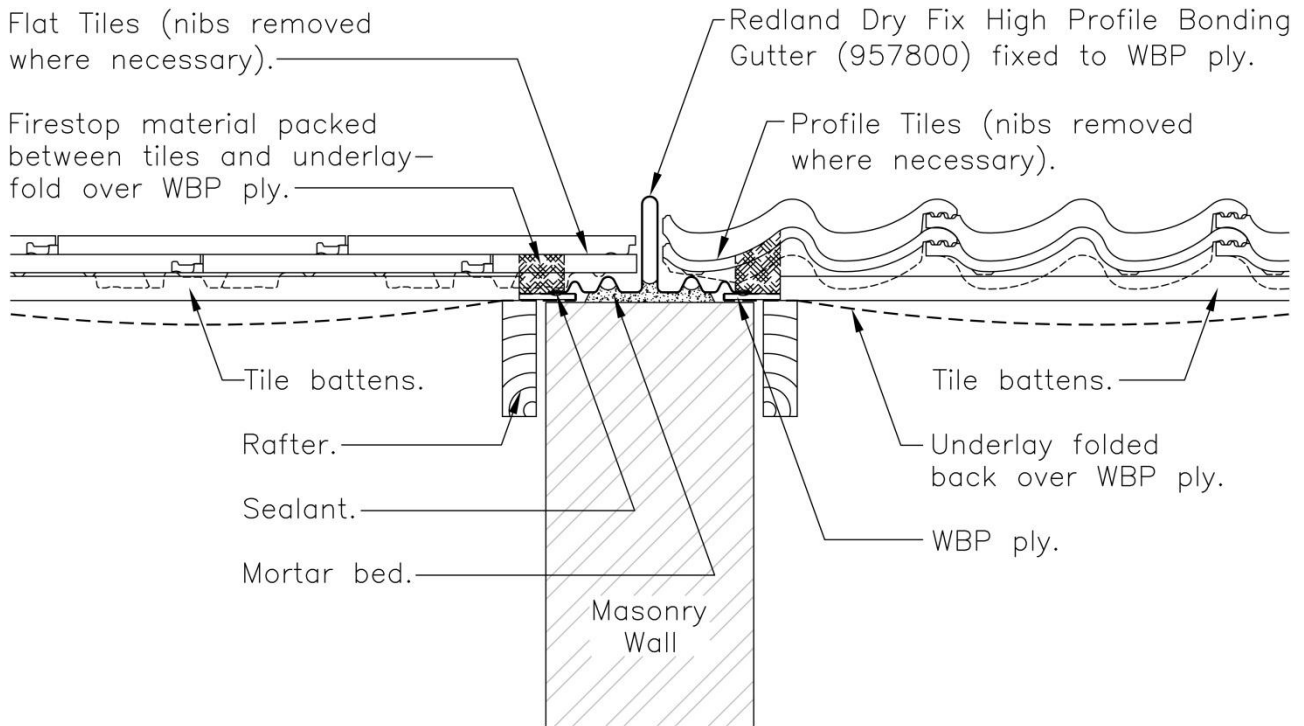
It is important when constructing bonding gutter details that the roof tiles that abut the bonding gutter lie in an even and level plane at the same pitch as the roof tiles adjacent. Tiles that “kick up” where they meet the bonding gutter should be avoided as this can compromise the weathertightness of the roof covering at these junctions. The choice of Low or High Profile Dry Bonding Gutter will depend on the roof coverings to be joined; it is recommended that the Dry Bonding Gutter chosen reflects the deepest profile tile to be joined. It is also critical that all the tiles that abut the bonding gutter are nailed and/or clipped in accordance with the Redland fixing specification for the roof in question.

2.2 DRY BONDING GUTTER CONSTRUCTION DETAILING

To ensure that the tiles adjacent to the Redland Dry Bonding Gutter lie in an even and level plane it is important to follow the construction details in this section. For situations where the Bonding Gutter is to be used over a fire-break party wall the underlay and tiling battens must be terminated either side of the mortar-bed fire-stop. When using 25 mm tiling battens the Dry Bonding Gutter is fixed to 6 mm WBP ply either side of the fire-stop. The thickness of the WBP ply required can be calculated as follows: **WBP ply thickness = (Tiling batten thickness – 19mm)**

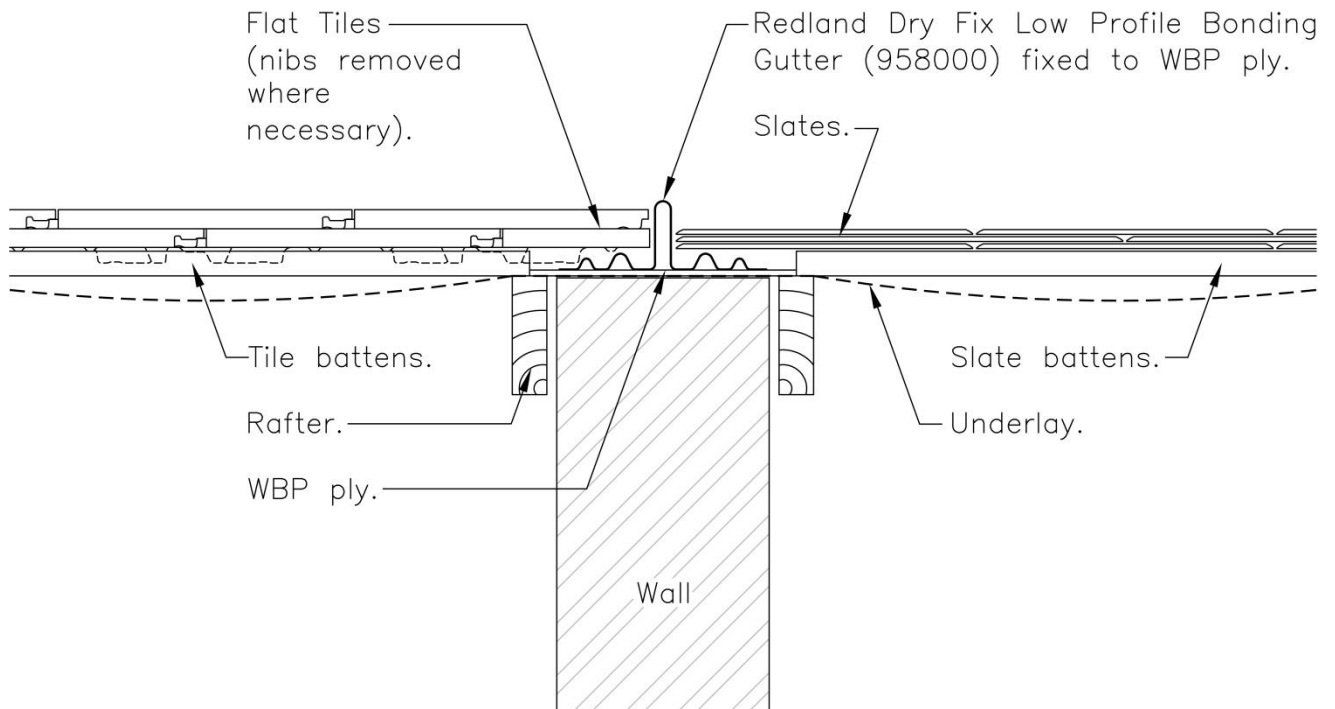


LOW PROFILE BONDING GUTTER
Typical Installation with Fire Break –
Flat Tiles and Slates.

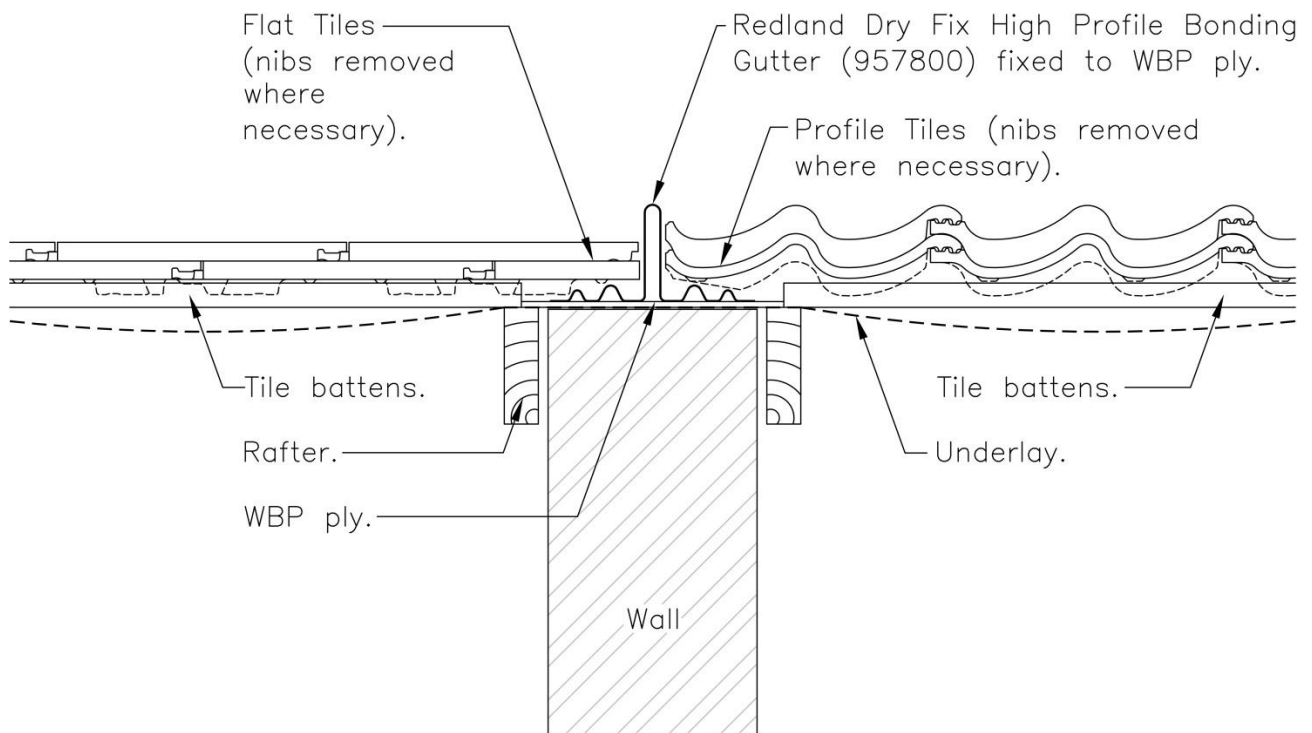


HIGH PROFILE BONDING GUTTER
Typical Installation with Fire Break –
Flat Tiles and Profile Tiles.

For situations where the Bonding Gutter is to be used over non-fire-break walls the underlay can be carried through underneath the bonding gutter but again the tiling battens should be terminated either side of a central 6 mm WBP plyboard, into which the Dry Bonding Gutter is fixed.



LOW PROFILE BONDING GUTTER
Typical Installation –
Flat Tiles and Slates.

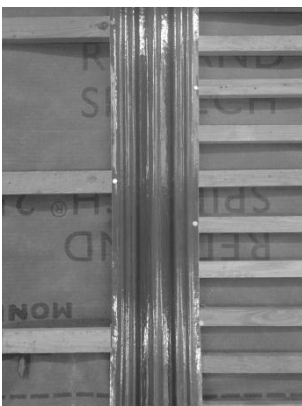


HIGH PROFILE BONDING GUTTER
 Typical Installation –
 Flat Tiles and Profile Tiles.

When using Redland Cathedral Clay Pantiles ensure on the side of the bonding gutter where the tiles abut either that the tiles abut uncut, or are cut at least 30 mm from crown of profile. Alternatively the WBP ply thickness can be increased to 12mm.

2.3 FIXING INSTRUCTIONS

2.3.1 INSTALLATION OF DRY BONDING GUTTER



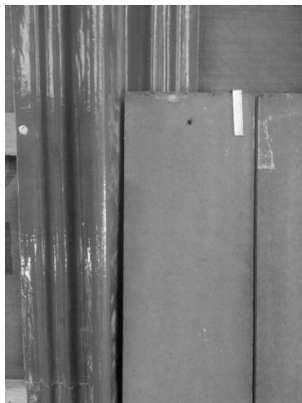
Establish the position of the Dry Bonding Gutter. Underlay and batten the roof in accordance with the construction details in Section 2.2. Position Dry Bonding Gutter onto established line and nail through outer flange into 6 mm WBP ply below at maximum 500 mm centres. When joining lengths of Dry Bonding Gutter use the minimum overlaps specified in Section 1.1.



The slates and tiles should be laid as close as possible to or touching the central upstand on both sides with care taken to avoid any distortion and maintain the straight line appearance of the profile. Mark the centre line of the Dry Bonding Gutter and remove slates or tiles for cutting as required so as to maintain the correct bond of the slating and tiling. At the ridge a Rapid Flashing saddle should be dressed over the Dry Bonding Gutter. At the eaves ensure the Bonding Gutter projects 50mm over the fascia board to match the overhang of the slating and tiling.



Where the tile nibs interfere with the Dry Bonding Gutter they should be removed.



Ensure all tiles and cut tiles adjacent to the Dry Bonding Gutter are mechanically fixed in accordance with the Redland fixing specification for the roof. The standard nails and clips can be used. For half slates and other small cut tiles either Redland C-clip (9518) (shown adjacent), and/or Redland Kro-clips (551350) can be used.

Complete the slating and tiling as required.

