Rapid Hip System

The Rapid Hip System is an easy and quick-to-fit, maintenance-free hip system with very high resistance to storm damage. With no mortar required it removes concerns about mortar failure. The system also ventilates the batten cavity when used with Spirtech underlay.

Pack Contents

Pack contents differ between Rapid Hip packs
- 5 metres of Rollable Membrane
- 2 x Hip Support Trays 2.7m
- 30 x Polypolyrene Spacer Blocks
- 20 x Hip Batten Straps
- 24 x Hip Head Clips
- 24 x Hip Tail Clips
- 24 x Woodscrews 100mm Stainless Steel
- 40 x Batten Fixing Nails 2.65 x 30mm
- 40 x Rafter Fixing Nails 3.35 x 60mm

Product Codes
- 9028 Metric® / Stonewold II Rapid Hip (5m)
- 9502 Norfolk Pantile / Redland 49 Rapid Hip (5m)
- 9503 Natural Slate / Cambrian Rapid Hip (5m)
- 9524 Slate 10 Range / Plain Tile Rapid Hip (5m)
- 9562 DuoPlain Rapid Hip (5m)
- 9870 Cathedral Rapid Hip (5m)

* Metric tiles are Mini Stonewold, Grovebury, 50 Double Roman, Regent & Renown

1a Standard Rapid Hip

Underlay and batten the roof with ends of tiling battens supported on the hip rafter.

1b Rapid Hip with Rigid Sarking

Finish sarking board at the side of the hip rafter. Fix a spacer batten to the hip rafter to a height level with the top of the counterbattens.

Underlay, counterbatten and batten the roof with the tiling battens supported on the spacer batten.

1c Cambrian Rapid Hip

Fix 50 x 25mm noggings to the sides of the hip rafter. Underlay the roof. Fix a hip batten to the hip rafter at 300mm centres with 100 x 3.75mm ring shank nails provided. Batten the roof with ends supported on noggings. Go to step 5.

2 Secure a pair of hip batten straps to hip the rafter using the 3.35mm x 60mm stainless steel nails provided. At centres no greater than 550mm, fix the other straps up the length of the hip. Ensure that the first and last straps are fixed no more than 250mm from the fascia or hip/ridge intersections respectively.
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3  Place the correct number of spacer blocks for the tile, see the table below onto the straps.

<table>
<thead>
<tr>
<th>Tile profile</th>
<th>Number of spacer blocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stonewold II, Mini Stonewold, 50 Double Roman, Landmark Double Roman, Renown, Slate 10 Range, DuoPlain, Redland 49, Cathedral</td>
<td>2</td>
</tr>
<tr>
<td>Regent, Landmark Double Pantile, Grovebury, Norfolk Pantile</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE:** The number of spacer blocks stated assumes that the top of the hip rafter is flush with the top of the jack rafters. Where this is not so, adjust accordingly.

4  Place a timber batten (for size see table on inside flaps of carton) onto the blocks. Where it is necessary to use more than one length of timber, joints should be made over the supporting blocks. Do not fix the batten at this stage.

5  Lay the eaves course of tiles as normal with the eaves overhang equal on both sides of the hip. Neatly cut tiles to the line of the hip batten. The cut edge of the tiles should not be more than 30mm from the hip batten.

For **Cambrian Slates** Each cut slate (for type see table below) must have at least two nails at the head and be clipped where possible.

<table>
<thead>
<tr>
<th>Slate and a half</th>
<th>25° and above</th>
<th>Double Slate</th>
<th>15° - 245°</th>
</tr>
</thead>
</table>

6a  Except Cambrian & Cathedral

Secure the cut eaves tile on both sides of the hip using two of the ‘C’ shaped clips on the interlock, one at the head and one at the tail of the tile. Continue tiling in the normal manner; ensuring all cut tiles are within 30mm of hip batten.

6b  Cathedral only

Secure each cut tile on both sides of the hip using rafter clips. Gently tap the clip onto a convenient part of the cut edge.

Proceed to Step 9

7  For the second and subsequent courses, all cut tiles should be secured with two clips. The tail clip (larger of the two clips) should be slid up under the interlock of the last full tile and bent down over the head of the tile in the course below.

8  The ‘C’ clip is then positioned at the head of the cut tile in the region of the interlock. Lay and clip all tiles up the length of the hip.

Screw each rafter clip to the side of the hip batten.

Place the correct number of spacer blocks for the tile, see the table below onto the straps.
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9
Secure the hip batten in position by wrapping the stainless steel strips around the batten and fix with the 2.65x30mm stainless steel clout nails provided.

10
Starting from the eaves, dress the Rollable Membrane centrally over the hip batten ensuring all gaps at the eaves are covered. Remove backing strip from the adhesive section and neatly dress onto the tiles. Adhesion will be improved if the tiles are clean and dry. Continue up the full length of the hip, overlapping each roll by at least 50mm. Continue up and over the ridge batten.

11
Cut hip tray to suit at the eaves and secure to the hip batten with a single clout nail at its centre point to hold it in place. Where more than one tray is required to complete the hip, overlap on top of the one already fixed by 200mm. Where two hips meet at the ridge, mitre the hip trays together.

12
Place a purpose designed block end hip tile tight against the eaves tiles and secure with the screws provided. Continue up the hip ensuring the hip tiles are butted together and that no individual hip tile is less than 300mm long.

13
Where two hips meet a dry ridge, the intersection should be weathered using the hip/ridge junction piece (supplied separately). The three mitred tiles must be cut from full length tiles. Re-drill the cut hip and ridge tiles to provide two fixings per tile. (Other forms of junction may be weathered using Rapid Flashing.)

14
Fix the final ridge tile in position, ensuring the screw passes through the hole in the hip/ridge junction piece and the ridge tile traps the junction piece in place. Fix the final hip tiles in position. If necessary, adjust the height of the hip tiles with a screwdriver to give a true line.