PUR LIN & BATTEN FIXING CHART
ALTERNATIVE SOLUTION TO
NZS 3604:2011 TABLES 10.10 & 10.12

NOTE:

★ All purlin and batten sizes are as per NZS 3604:2011.
★ All fixings assume that the purlin and battens are installed on their flat over the top of the rafter or truss.
★ The minimum fixing requirements apply to all purlin locations within the roof area.
★ The LUMBERLOK BLUE SCREW where specified requires a minimum of 30mm penetration into rafter or truss i.e. it is suitable for rough sawn timber up to 50mm thick at 18% moisture content.

<table>
<thead>
<tr>
<th>ROOF WEIGHT</th>
<th>MAX. PUR LIN SPAN (mm)</th>
<th>MAX. PUR LIN CRS. (mm)</th>
<th>WIND ZONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEAVY ROOF Tile Battens</td>
<td>900</td>
<td>370</td>
<td>L A A A A</td>
</tr>
<tr>
<td>LIGHT ROOF Tile Battens</td>
<td>900</td>
<td>370</td>
<td>A A B C C</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>370</td>
<td>A B C C C</td>
</tr>
<tr>
<td>LIGHT ROOF Purlins</td>
<td>900</td>
<td>900</td>
<td>C C C D D</td>
</tr>
<tr>
<td></td>
<td>1200</td>
<td>900</td>
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<tr>
<td></td>
<td>1200</td>
<td>1200</td>
<td>C C D E E</td>
</tr>
</tbody>
</table>

Wind Zone:
As per NZS 3604:2011

L = Low Wind
M = Medium Wind
H = High Wind
VH = Very High Wind
EH = Extra High Wind

https://vimeo.com/117353340
STANDARD FIXING OPTIONS

FIXING TYPE A
0.55kN
1 NAIL
Note: Two nails maybe preferred to prevent batten rolling over with high roof pitches.

FIXING TYPE B
0.8kN
2 NAILS

FIXING TYPE C
2.4kN
1 BLUE SCREW

FIXING TYPE D
3.45kN
2 BLUE SCREWS
OR
2 SKEW NAILS plus 2 WIRE DOGS
(for purlin on edge)

FIXING TYPE E
5.5kN
2 NAILS plus 1 CT200
OR
1 PAIR of CPC40

NAIL = Either 90mm x 3.15 dia. power-driven nail or 100mm x 3.75 dia. hand-driven nail
BLUE SCREW = 80mm x 10 gauge LUMBERLOK BLUE SCREW
WIRE DOG = LUMBERLOK WIRE DOG either LH or RH
CT200 = LUMBERLOK Ceiling Tie CT200 bend over purlin, 4 x LUMBERLOK Product Nails 30mm x 3.15 dia. each end
CPC40 = LUMBERLOK CPC40 with 2 x Type 17 - 14g x 35mm Hex Head Screws per flange

FIXING DEFINITIONS

FIXING TOLERANCES
LUMBERLOK BLUE SCREW

PURLIN / BATTEN SPLICE FIXING OPTIONS

NOTE:
Locate fixings within the shaded area. Care to be taken to avoid over tightening of screws.