

# PURLIN SCREW

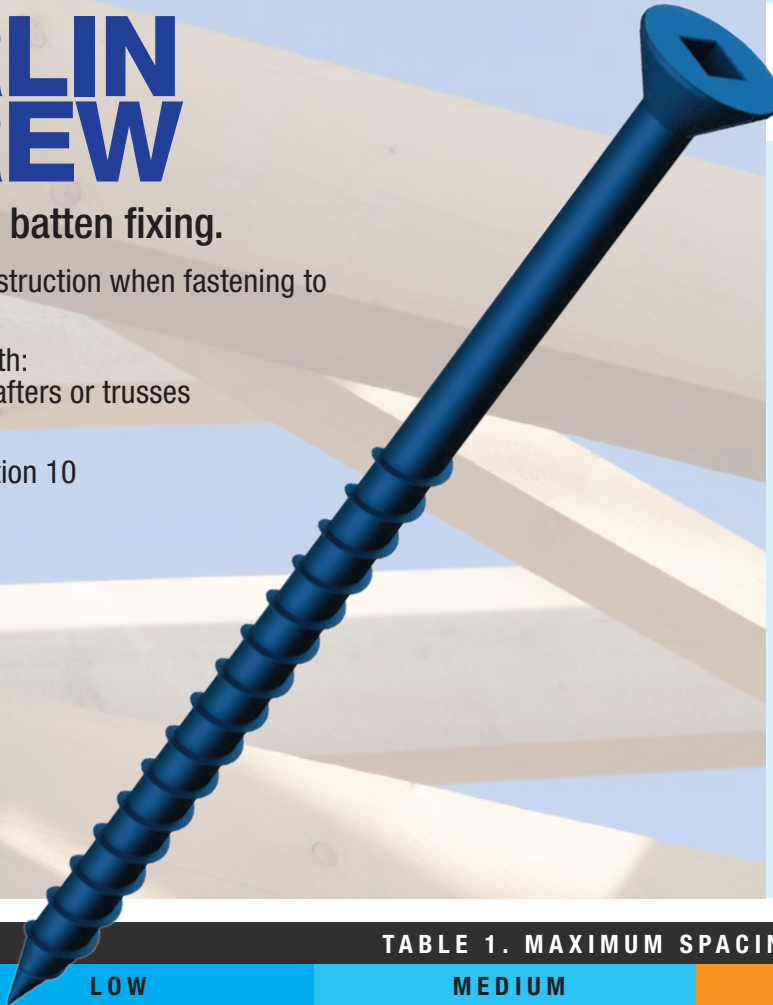
For purlin and batten fixing.

For all general construction when fastening to timber.

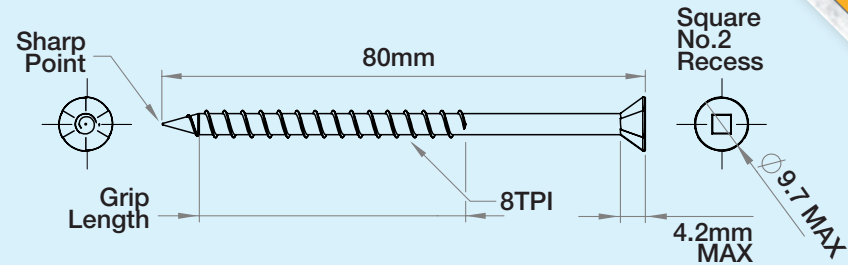
Suitable for use with:

- Fixing purlin to rafters or trusses
- Batten Fixing

Complies with section 10 of NZS 3604:2011



## ARMOURCOAT® BLUE



**No. 2 Square Drive** provides optimal torque transfer, minimising installation time



**Lower profile flat head** designed for a flush finish and superior holding power



**Tapered thread** provides smooth, consistent installation



**Sharp point** to easily locate screw & maximise locking torque

**TABLE 1. MAXIMUM SPACING & FIXING IN WIND ZONES** (as per NZS 3604:2011)

Purlin Size (mm)	Max Span (mm)	TABLE 1. MAXIMUM SPACING & FIXING IN WIND ZONES (as per NZS 3604:2011)														
		LOW			MEDIUM			HIGH			VERY HIGH			EXTRA HIGH		
		Spacing	Qty	Fixing Type	Spacing	Qty	Fixing Type	Spacing	Qty	Fixing Type	Spacing	Qty	Fixing Type	Spacing	Qty	Fixing Type
70 x 45	900	900mm	2	90 x 3.15 Gun Nails	900mm	1	10g x 80 Purlin Screw	900mm	1	10g x 80 Purlin Screw	900mm	1	14g x 100 Bugle Batten	900mm	2	10g x 80 Purlin Screw
70 x 45	900	1200mm	1	10g x 80 Purlin Screw	1200mm	1	10g x 80 Purlin Screw	1200mm	1	14g x 100 Bugle Batten	1050mm	2	10g x 80 Purlin Screw	900mm	2	10g x 80 Purlin Screw
70 x 45	900	1800mm	1	10g x 80 Purlin Screw	1800mm	2	10g x 80 Purlin Screw	1400mm	2	10g x 80 Purlin Screw	1050mm	2	10g x 80 Purlin Screw	900mm	2	10g x 80 Purlin Screw
70 x 45	1200	1200mm	1	10g x 80 Purlin Screw	1150mm	1	10g x 80 Purlin Screw	800mm	1	10g x 80 Purlin Screw	600mm	1	14g x 100 Bugle Batten	500mm	1	14g x 100 Bugle Batten
70 x 45	1200	1300mm	1	10g x 80 Purlin Screw	1150mm	1	10g x 80 Purlin Screw	800mm	1	10g x 80 Purlin Screw	600mm	1	14g x 100 Bugle Batten	500mm	1	14g x 100 Bugle Batten
90 x 45	1200	1700mm	1	10g x 80 Purlin Screw	1450mm	2	10g x 80 Purlin Screw	1000mm	2	10g x 80 Purlin Screw	750mm	2	10g x 80 Purlin Screw	650mm	1	10g x 80 Purlin Screw

Product Description	Pack Quantity	Product Code	Square Driver	Screw Length	Grip Length (Min)	Shank Diameter (mm)	Threads per Inch	Single Shear (KN)	Axial Tensile (KN)	Torsional (Nm)
Countersunk Purlin Screw Armourcoat® Blue 10g-8 x 80mm	100	SCCRQC3100802TB	No. 2	80mm	30	3.7	8	5.4	9.3	7.2
Countersunk Purlin Screw Armourcoat® Blue 10g-8 x 80mm	500	SCCRQC3100802IBL	No. 2	80mm	30	3.7	8	5.4	9.3	7.2

# PURLIN SCREW

## Installation Recommendations

For best results use a power screw driver with variable speed. For timber 500-1500 RPM with a No.2 square driver.

The use of battery screw drivers with clutch drive settings will significantly decrease drilling speed.

Base Materials:

- When fastening to timber (JD3 min.) ensure a minimum thread embedment of 30mm.

Only use Bremick® drive bits.

## Setting Instructions

### Stage 1 – Position

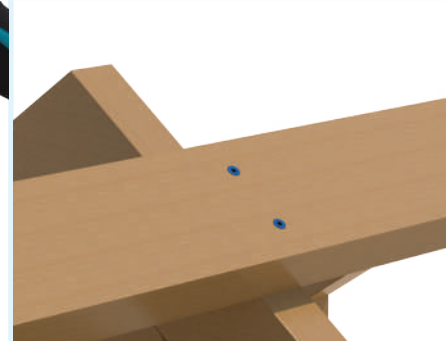
Insert screw head into drive socket and position screw point as directed in Diagram 1 (below). Apply downward pressure so that screw tip creates a start point.

### Stage 2 – Drill

Set the power screw driver to high speed, apply firm pressure. Reduce drill speed and drive screw into timber whilst maintaining a steady downward pressure.

### Stage 3 – Set

Drive screw until a flush finish is achieved. Do NOT over drive. Repeat process along the truss.



## Axial Withdrawal Forces for Timber

Product	Mean Ultimate Pull Out in F5/JD4 Timber (Radiata Pine) Embedment Depth					Mean Ultimate Pull Out in F17/J3 Timber (Hardwood) Embedment Depth			
	20mm	25mm	30mm	35mm	40mm	Product	25mm	30mm	35mm
10g x 80	2.9	3.8	4.6	5.6	6.5	10g x 80	4.9	6.0	7.0

## ARMOURCOAT® BLUE

Armourcoat® Blue is fully outdoor exposure tested under AS3566 – 2002 and the results are independently certified.

Unlike mechanical galvanising, the coating technology does not use glass beads and avoids the inherent problem of the recess drive becoming clogged, which makes it difficult to get proper engagement with the drive bit.

**MORE ATTRACTIVE FINISH**

**ABRASION RESISTANT**

**NO CLOGGED RECESS DRIVES**

**FASTER DRILL TIMES**

Purlin/Batten

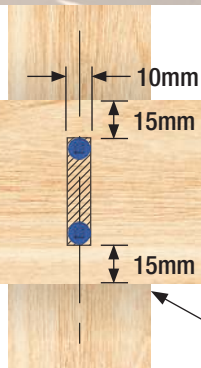


DIAGRAM 1

**Note:** At a minimum locate fixings 15mm from the purlin edge and no more than 5mm either side of the centerline. Avoid over tightening the screws.

Truss Top Chord/Rafter