



# ATS TIMBER

The easiest timber company to deal with in New Zealand



## The Timber Book

Trade | July 2023

# The easiest timber company to deal with in New Zealand

Our job is to make your job easier.

Timber innovations for award  
winning projects.



Contact a Timber Consultant

**06 366 0160**

**sales@atstimber.co.nz**



Visit our website

**www.atstimber.co.nz**

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# Why Choose ATS Timber?



## EXPERT ADVICE

Have peace-of-mind on your timber project with our industry experts.



## HUGE RANGE

NZ's widest range of ex stock architectural timber products. If we don't stock it we will make it or source it for you.



## FREE SAMPLES

Free samples to assist in making an informed choice for your next timber project.

# Company History

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**1994**

ATS Timber is a family business, started by the Simmons family, selling ink supplies, native & exotic timber products throughout New Zealand.

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**2001**

Difficulty in purchasing/supplying native timbers saw the focus move solely to On-Site milling of Radiata Pine. ATS begins to produce a wide range of products majoring in big beams & clears, only to add a wide range of wet treated (H5 & H6) Radiata Pine solid beams. ATS Timber becomes a leading supplier nationwide for these specialty lines, offering a comprehensive stock range of large sizes. With new structural timber grades and requirements, ATS was one of the 1st to be certified to verify timber beams to SG8. H3.1 LOSP clear treatment product was added to the product range.

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**2015**

With demand outgrowing the small sawmill and having supply agreements with other local sawmills, ATS closed its sawmill. European Spruce was added to the product range.

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**2019**

With the Simmons family wanting to step back, the business was sold to Euan, Jane & Daniel Crighton who have been part of a long established (over 78 years) family owned sawmilling business which had an existing supply agreement with ATS for a number of years. This guaranteed staff jobs as well as maintaining quality and supply of timber to ATS. This would mean that the ATS key values of 'Quality - Service - Satisfaction' were continued and that the company could continue providing timber expertise, large variety of specialist timber sizes as well as exceptional service to our valued customers.

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# Structural Range



*New Zealand's most comprehensive, ex stock and custom range of decorative, solid timber beams.*

# Selection Chart: Size v. Grade

Your easy reference guide to what structural grades and timber sizes are readily available from ATS Timber Ltd.

CALL SIZE	Weka SG8 Wet Page 9	Weka No. 1 Page 17	Weka Post Page 23	Weka Decking Page 25	Kingfisher SG8 Pine Page 29	Kingfisher SG8 Spruce Page 35	Kingfisher SG10 Spruce Page 35
100 x 40				•			
150 x 40				•			
50 x 50		•					
75 x 50	•				•	•	•
100 x 50	•				•	•	•
150 x 50	•				•	•	•
200 x 50	•				•	•	•
250 x 50	•				•	•	•
300 x 50	•				•	•	•
350 x 50		•					
100 x 75	•				•	•	•
150 x 75	•				•	•	•
200 x 75	•				•	•	•
250 x 75	•				•	•	•
300 x 75	•				•	•	•
350 x 75							
100 x 100	•	•	•		•	•	•
150 x 100	•				•	•	•
200 x 100	•				•	•	•
250 x 100	•				•	•	•
300 x 100	•				•	•	•
350 x 100		•					
125 x 125	•						
150 x 150	•	•					
200 x 150		•					
250 x 150		•					
300 x 150		•					
200 x 200	•	•					
250 x 200		•					
300 x 200		•					
250 x 250		•					
300 x 300		•					

- A non-verified product that can only be used in structural applications if an engineered acceptable solution is approved.
- SG8 alternative sizes are available on request.
- See product pages for clarification of available sizes and finishes available in each range.

















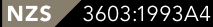
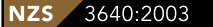
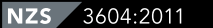
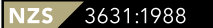
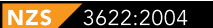
**Weka SG8™ Wet**

# Weka SG8™ Wet Range

## FEATURE & BENEFITS

 Visually graded	 Wet treated	 H4 CCA	 H5 CCA	 H6 CCA to order
 Outdoor	 Long lengths	 NZ grown	 Structurally verified	 Band sawn option

## COMPLIES WITH

## END TAG IDENTIFICATION



## SPECIAL NOTES

- 47mm thick range, 94 x 69, 94 x 94 and 120x120 also have pencil-round edges. The rest of the range is square gauged.
- Length ranges: 3.6, 4.8, 6.0 and 7.2m.



## Weka SG8™ Wet Rough Sawn

RS	H4	H5		H6*
	4.8 / 6.0m	4.8 / 6.0m	3.6 / 7.2m	4.8 / 6.0m
75 x 50	•	•	-	•
100 x 50	•	•	-	•
150 x 50	•	•	•	•
200 x 50	•	•	•	•
250 x 50	•	•	•	•
300 x 50	•	•	•	•
100 x 75	•	•	-	•
150 x 75	•	•	•	•
200 x 75	•	•	•	•
250 x 75	•	•	•	•
300 x 75	•	•	•	•
100 x 100	•	•	-	•
150 x 100	•	•	•	•
200 x 100	•	•	•	•
250 x 100	•	•	•	•
300 x 100	•	•	•	•
125 x 125	•	•	•	•
150 x 150	•	•	•	•
200 x 200	•	•	•	•

**Special Notes:** Refer to special notes P10.

- H6 is treated to order. Please enquire for lead times.
- 7.2m length are subject to availability.



**Tip**

*If finished sizes are requested, differ from those as the table above, they will need to be sold as a No. 1 Frame grade as timber verification is based on standard finish sizes.*





**Pekatahi Bridge**



**Buffalo Beach Staircase**



## Weka SG8™ Wet Gauged

RS	H4	H5		H6*
	4.8 / 6.0m	4.8 / 6.0m	3.6 / 7.2m	4.8 / 6.0m
69 x 47	•	•	-	•
94 x 47	•	•	-	•
144 x 47	•	•	•	•
194 x 47	•	•	•	•
244 x 47	•	•	•	•
294 x 47	•	•	•	•
94 x 69	•	•	-	•
144 x 69	•	•	•	•
194 x 69	•	•	•	•
244 x 69	•	•	•	•
294 x 69	•	•	•	•
94 x 94	•	•	-	•
144 x 94	•	•	•	•
194 x 94	•	•	•	•
244 x 94	•	•	•	•
294 x 94	•	•	•	•
120 x 120	•	•	•	•
144 x 144	•	•	•	•
194 x 194	•	•	•	•

**Special Notes:** Refer to special notes P10.

- H6 is treated to order. Please enquire for lead times.
- 3.6 and 7.2m lengths are subject to availability.
- 47mm thick range, 94x69, 94x94 and 120x120 also have pencil-round edges. The rest of the range is square gauged.



## Bridge Development Kirikiri





## Weka SG8™ Wet Bandsawn 4

Please note this range is made-to-order. Contact us to confirm lead times at point of order.

BS4	H4 / H5
	4.8 / 6.0m
69 x 47	•
94 x 47	•
144 x 47	•
194 x 47	•
244 x 47	•
294 x 47	•
94 x 69	•
144 x 69	•
194 x 69	•
244 x 69	•
294 x 69	•
94 x 94	•
144 x 94	•
194 x 94	•
244 x 94	•
294 x 94	•
120 x 120	•


**Special Notes:** Refer to special notes P10.






## Producer Statement

Available on request to assist in project sign off from engineers and building inspectors.



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 address: 25 Main Road South, Levin 5510, New Zealand  
 email: sales@atstimber.co.nz | web: www.atstimber.co.nz



### Weka SG8™ Wet Radiata

## Certificate of Conformance

Verification Licence No. GV108

This is to certify that the timber supplied as Weka SG8™ Wet Radiata has been produced and verified in accordance with the following New Zealand Standard:

NZS 3622:2004

Weka SG8™ Wet Radiata displays the following characteristics:

Characteristics	
<b>Bending strength</b> (modulus of rupture)	11.7 MPa
<b>Bending stiffness</b> (modulus of elasticity)	6.5 GPa
<b>Tension strength</b>	4.0 MPa
<b>Compression strength</b>	12.0 MPa

Visual Appearance: Meets visual requirements for No.1 Frame Grade as per NZS:3631.

**The easiest timber company to deal with in New Zealand**








**Weka No. 1™ Wet**



# Weka No.1™ Wet Range

## FEATURES & BENEFITS

 <b>Visually graded</b>	 <b>Wet treated</b>	 <b>H4 CCA</b>	 <b>H5 CCA</b>
 <b>H6 to order</b>	 <b>Outdoor</b>	 <b>NZ grown</b>	 <b>Band sawn option</b>

## COMPLIES WITH

<b>NZS</b> 3603:1993A4	<b>NZS</b> 3640:2003
<b>NZS</b> 3604:2011	<b>NZS</b> 3631:1988

## END TAG IDENTIFICATION



## SPECIAL NOTES

- 47x47 has pencil-round edges. The rest of the range is square gauged.
- Common length ranges: 4.8, and 6.0m.
- 3.6 and 7.2m lengths are cut-to-order.
- Custom sizes available on demand. Please enquire.
- Custom verification available. Please enquire.





## Weka No. 1™ Wet Rough Sawn

RS	H4	H5	H6*
	4.8 / 6.0m	4.8 / 6.0m	4.8 / 6.0m
50 x 50	•	•	•
75 x 75	•	•	•
350 x 50	•	•	•
350 x 75	•	•	•
350 x 100	•	•	•
150 x 150	•	•	•
200 x 150	•	•	•
250 x 150	•	•	•
300 x 150	•	•	•
200 x 200	•	•	•
250 x 200	•	•	•
300 x 200	•	•	•
250 x 250	•	•	•
300 x 300	•	•	•

**Special Notes:** Refer to special notes P18.

- H6 is treated to order. Please enquire for lead times.
- Custom sizes available on demand. Please enquire.
- Custom verification available. Please enquire.



**Tip**

*The above sizes are marketed as a non-verified product. This is mainly due to the fact these sizes usually incorporate a large proportion of the low density area of a log, which results in lower stiffness than is required to meet a SG8 wet grade.*





**Residential Fence** Palmerston North



**Martins Bay** Rodney



**Pekatahi Bridge**



## Weka No.1™ Wet Gauged

PG	H4	H5	H6*
	4.8 / 6.0m	4.8 / 6.0m	4.8 / 6.0m
47 x 47	•	•	•
69 x 69	•	•	•
344 x 47	•	•	•
344 x 69	•	•	•
344 x 94	•	•	•
144 x 144	•	•	•
194 x 144	•	•	•
244 x 144	•	•	•
294 x 144	•	•	•
194 x 194	•	•	•

**Special Notes:** Refer to special notes P18.

- H6 is treated to order. Please enquire for lead times.
- Custom sizes available on demand. Please enquire.
- Custom verification available. Please enquire.



**Feature Pergola** Martins Bay











**Weka Post**

# The Original Weka Post

## FEATURES & BENEFITS

		
Visually graded	Soft edges	H4 CCA
		
Outdoor	2.4 Metre	NZ grown



## SPECIAL NOTES

- All Weka Post have soft edges.
- Pack size: 40/2.4m.
- Finish Size: 94 x 94.

## END TAG IDENTIFICATION



POST	H4
	2.4
94 x 94	•

















**Weka Decking**

# Weka Decking

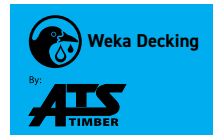
## FEATURES & BENEFITS

 Visually graded	 Wet treated	 H4 CCA	 H5 CCA	 H3.2 CCA
 Outdoor	 Soft edges	 NZ grown	 Knot free	 Band sawn option

## SPECIAL NOTES

- Pencil-round edges.
- 4.8m and 6.0m lengths.
- Bandsawn finish on request.
- Premium grade.
- H5 on request.

## END TAG IDENTIFICATION





## Weka Decking Smooth

SM	H3.2	H4
	4.8 / 6.0m	4.8 / 6.0m
90 x 32	•	•
140 x 32	•	•

**Special Notes:** Refer to special notes P26.

- H5 on request.





## Weka Decking Grip Tread

GT	H3.2	H4
	4.8 / 6.0m	4.8 / 6.0m
90 x 32	•	•
140 x 32	•	•

**Special Notes:** Refer to special notes P26.

- H5 on request.


















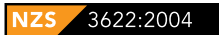
**Kingfisher SG8™ Pine**

# Kingfisher SG8™ Pine Range

## FEATURES & BENEFITS

 Visually graded	 Kiln dried	 H3.1 LOSP	 H3.2 CCA	 Indoor H3.1
 Outdoor H3.2	 NZ grown	 Structurally verified	 Band sawn option	

## COMPLIES WITH

## END TAG IDENTIFICATION



## SPECIAL NOTES

- This is not a sanded and sealed product. It will require additional finishing work.
- Visually graded to a No. 1 Frame. i.e. not clears.
- Standard is square edges.
- Length ranges: 4.8 and 6.0m.



## Kingfisher SG8™ Pine D4S (Kiln Dried)

D4S	H1.2 Boron (Pink)	H3.1 LOSP (Clear)	H3.2 CCA (Green)
	Interior Non-Visual	Interior Visual	Exterior Visual
	4.8 / 6.0m	4.8 / 6.0m	4.8 / 6.0m
90 x 45	-	•	•
140 x 45	-	•	•
190 x 45	-	•	•
240 x 45	-	•	•
290 x 45	-	•	•
90 x 70	•	•	•
140 x 70	•	•	•
190 x 70	•	•	•
240 x 70	•	•	•
290 x 70	•	•	•
90 x 90	•	•	•
140 x 90	•	•	•
190 x 90	•	•	•
240 x 90	•	•	•
290 x 90	•	•	•

**Special Notes:** Refer to special notes P30.

- Subject to availability. Please enquire for lead times.





**Feature Ceiling** Pekapeka



**Exposed trusses** Martinborough Estate



**Exposed trusses** Coatesville





## Kingfisher SG8™ Pine Bandsawn 4 (Kiln Dried)

Please note this range is made-to-order. Contact us to confirm lead times at point of order.

BS4	H3.1 LOSP	H3.2 CCA
	4.8 / 6.0m	4.8 / 6.0m
90 x 45	•	•
140 x 45	•	•
190 x 45	•	•
240 x 45	•	•
290 x 45	•	•
90 x 70	•	•
140 x 70	•	•
190 x 70	•	•
240 x 70	•	•
290 x 70	•	•
90 x 90	•	•
140 x 90	•	•
190 x 90	•	•
240 x 90	•	•
290 x 90	•	•

**Special Notes:** Refer to special notes P30.





## Producer Statement

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 address: 25 Main Road South, Levin 5510, New Zealand  
 email: sales@atstimber.co.nz | web: www.atstimber.co.nz

### Kingfisher SG8™ Dry

## Certificate of Conformance

Verification Licence No. **GV108**

This is to certify that the timber supplied as Kingfisher SG8™ Dry has been produced and verified in accordance with the following New Zealand Standard:

**NZS** 3622:2004

Kingfisher SG8™ Dry displays the following characteristics:

Characteristics	
<b>Bending strength</b> (modulus of rupture)	14.0 MPa
<b>Bending stiffness</b> (modulus of elasticity)	8.0 GPa
<b>Tension strength</b>	6.0 MPa
<b>Compression strength</b>	18.0 MPa

Visual Appearance: Meets visual requirements for No.1 Frame Grade as per NZS:3631.

**The easiest timber company to deal with in New Zealand**











**Kingfisher Spruce™**  
SG8 & SG10





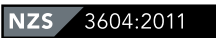

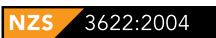
# Kingfisher Spruce™

## SG8 & SG10 Range

### FEATURES & BENEFITS

		
Superior visual grade	Kiln dried	Exceeds NZ Standards
		
Indoor UT Natural	Superior strength & stability	SG8 & SG10

### COMPLIES WITH

### END TAG IDENTIFICATION

	
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### SPECIAL NOTES

- This is not a sanded and sealed product. It will require additional finishing work.
- Visually graded to a No. 1 Frame so there will be knots.
- Length ranges: 4.8 and 6.0m.
- Surface splintering may occur during the kiln drying process due to drying stresses in the larger sizes.
- Certificate of Conformance on request.
- Subject to availability. Please enquire.





## Kingfisher Spruce™ SG8 & SG10

D4S*	UT / SG8	UT / SG10
	4.8 / 6.0m	4.8 / 6.0m
90 x 45	•	•
140 x 45	•	•
190 x 45	•	•
240 x 45	•	•
290 x 45	•	•
90 x 70	•	•
140 x 70	•	•
190 x 70	•	•
240 x 70	•	•
290 x 70	•	•
90 x 90	•	•
140 x 90	•	•
190 x 90	•	•
240 x 90	•	•
290 x 90	•	•

**Special Notes:** Refer to special notes P36.

- Length ranges: 4.8 and 6.0m.
- Custom bandsawn finish is processed to order.

### Free Samples

email [sales@atstimber.co.nz](mailto:sales@atstimber.co.nz)  
to request these  
or ph 0508 22 77 22





## Compliance

**NZS** 3622:2004

Verification of Timber Properties. **Grade Right (NZ) Ltd has verified and approved that Kingfisher Spruce has exceeded the equivalent properties of SG8 and SG10 in kiln dried SG8 and SG10.**

**NZS** 3602:2003

Timber & Wood-based products used in building – “The table includes the most commonly used and generally available species. They do not purport to be exhaustive, nor cover all the species that may be available from time to time. Specifiers are advised to contact local suppliers to determine species availability.” Clause C104.1, page 11.

**NZS** 3604:2011

Timber Frame Buildings – Specification and spans for SG8 & SG10 Kingfisher Spruce are to be determined via the span tables in this standard.

For more technical details and letters of compliance, please email [sales@atstimber.co.nz](mailto:sales@atstimber.co.nz)





## Compliance

### NZBC Clause B2 Durability

As untreated, Kingfisher Spruce has a durability rating of 4 (perishable/non-durable) which is the same as untreated Radiata Pine. ATS Timber recommends that SG8 & SG10 untreated timber is only used in 'low-risk designs' and is signed off by appropriate authorities.

### ALTERNATIVE Solution

Alternative Solution: "An alternative solution is a building design, of all or part of a building, that demonstrates compliance with the Building Code... The Building Code being a performance based code, allows for innovation and uniqueness."

### OUR Recommendation

We recommend that untreated (UT) Kingfisher Spruce SG8 & SG10 is only used in 'low-risk' designs unless authorized by appropriate authorities.

For more technical details and letters of compliance, please email [sales@atstimber.co.nz](mailto:sales@atstimber.co.nz)



# Species information

## Species Name

Picea abies

## Common Names

Norway Spruce, European Spruce, German Spruce

## Tree Size

35-55m tall and 1-1.5m trunk diameter

## Average Dried Weight

405 kg/m<sup>3</sup>

## Specific Gravity

(Basic, 12% M.C.)  
0.32, 0.41

## Janka Hardness

1,680 N

## Modulus of Rupture

63 MPa

## Elastic Modulus

9.7 GPa

## Crushing Strength

35.5 MPa

## Durability

Class 4 (untreated)

## Odour

No characteristic odour.

## Colour/Appearance

Norway spruce is typically a creamy white, with a hint of yellow and/or red.

## Shrinkage

Radial 3.9%, Tangential 8.2%, Volumetric 12.1%, T/R Ratio 2.1

## Allergies/Toxicity

Although severe reactions are quite uncommon, Spruce in the Picea genus has been reported as a sensitizer.

Norway Spruce in particular has been reported to cause skin irritation and asthma-like respiratory effects.

## Sustainability

This wood species is not listed in the CITES Appendices, and is reported by the IUCN as being a species of least concern. Note: Kingfisher Spruce™ is supplied to us as PEFC Certified.

## Grain/Texture

Norway Spruce has a fine, even texture, and a consistently straight grain.

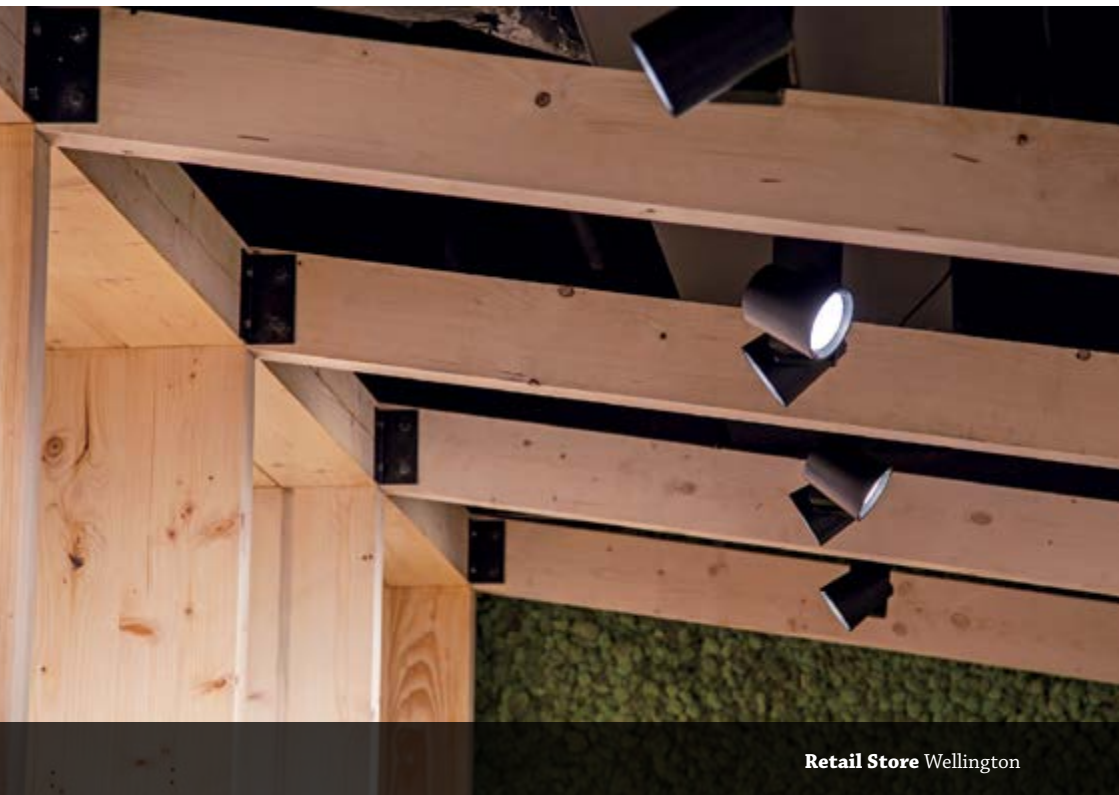
## Rot Resistance

Heartwood is rated as being slightly resistant to decay.

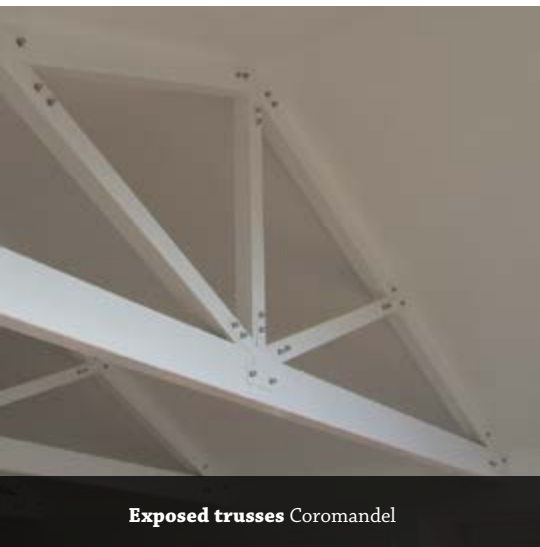
## Workability

Works well, although care is needed around knots. Glues and finishes well. If staining is done it is recommended that samples are done to ensure the desired results can be achieved. A sanding sealer, gel stain or toner is recommended when colouring Spruce.

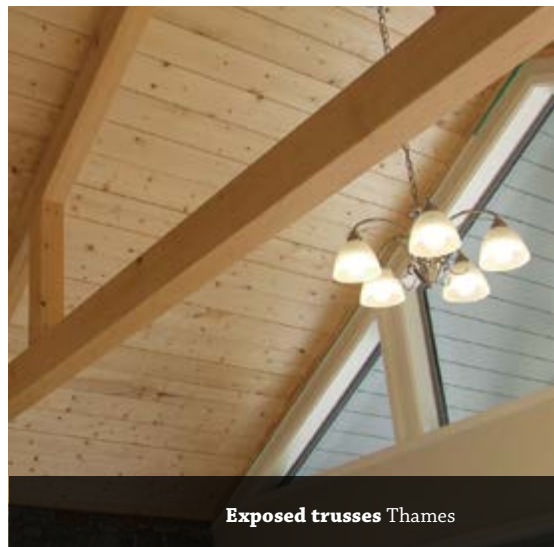




**Retail Store** Wellington



**Exposed trusses** Coromandel



**Exposed trusses** Thames





## Producer Statement

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 address: 25 Main Road South, Levin 5510, New Zealand  
 email: sales@atstimber.co.nz | web: www.atstimber.co.nz



Kingfisher Spruce™

### Certificate of Conformance Verification Licence No. GV108

This is to certify that the timber supplied as Kingfisher Spruce™ has been produced and verified in accordance with the following New Zealand Standard:

**NZS 3622:2004**

Kingfisher Spruce™ displays the following characteristics:

Characteristics		
	SG8	SG10
Bending strength (modulus of rupture)	14.0 MPa	20.0 MPa
Bending stiffness (modulus of elasticity)	8.0 GPa	10.0 GPa
Tension strength	6.0 MPa	8.0 MPa
Compression strength	18.0 MPa	20.0 MPa

Visual Appearance: Meets visual requirements for No.1 Frame Grade as per NZS:3631.

**The easiest timber company to deal with in New Zealand**














**Kakapo Clears™**

# Kakapo Clears™ Boards Range

## FEATURE & BENEFITS

 Kiln dried	 Untreated	 H3.1 LOSP	 H3.2 CCA	 Knot free
 Indoor UT & H3.1	 Outdoor H3.2	 NZ grown	 Band sawn option	

## COMPLIES WITH

**NZS** 3603:1993A4    **NZS** 3640:2003

## SPECIAL NOTES

- Kakapo Clears™ is a random length product.
- Select length requests are subject to availability POA.
- Bandsawn finish is available. Please enquire for pricing and lead times.
- D4S is machined to order.



## Kakapo Clears™ Boards Rough Sawn

RS	UT	H3.1 / H3.2
	0-6.0m	0-6.0m
50 x 25	•	•
75 x 25	•	•
100 x 25	•	•
125 x 25	•	•
150 x 25	•	•
200 x 25	•	•
250 x 25	•	•
300 x 25	•	•

**Special Notes:** Refer to special notes P44.





**Stonefeilds** Mt Wellington



**Showhome** Wellington



## Kakapo Clears™ Boards D4S

D4S	UT	H3.1 / H3.2
	0 - 6.0m	0 - 6.0m
40 x 19	•	•
65 x 19	•	•
90 x 19	•	•
114 x 19	•	•
138 x 19	•	•
180 x 19	•	•
235 x 19	•	•
280 x 19	•	•

**Special Notes:** Refer to special notes P44.



**Woodridge Estate** Wellington







**Kakapo Claddings**



# Kakapo Claddings Range

## FEATURE & BENEFITS

			
<b>Kiln dried</b>	<b>H3.2 CCA</b>	<b>Band sawn option</b>	<b>Custom profile</b>
			
<b>Knot free</b>	<b>Preprimed option</b>	<b>NZ grown</b>	

## COMPLIES WITH

**NZS** 3603:1993A4    **NZS** 3640:2003

## SPECIAL NOTES

- All products are 'made-to-order' to suit your requirements.
- Kakapo Cladding is a random length product. Select length requests are subject to availability POA.
- All Kakapo Cladding products treated to H3.2 CCA Kiln Dried.
- Minimum run quantity is 150 l/m.

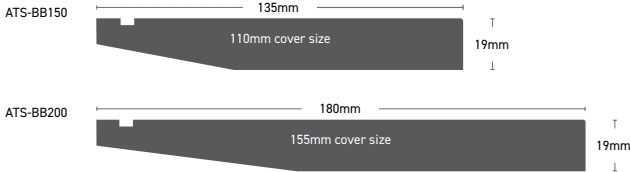
**Tip**

*Always ensure all cut ends are primed/sealed to protect from rotting.*





## Kakapo Cladding Bevel Back

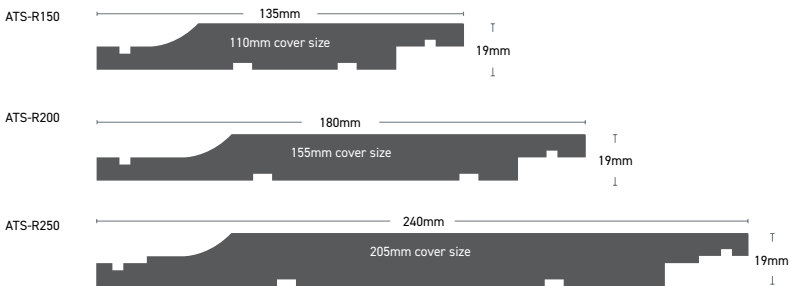


CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		UP	PP	UP	PP
ATS-BB150	135 x 19	•	•	•	•
ATS-BB200	180 x 19	•	•	•	•

**Special Notes:** Refer to special notes P50.



## Kakapo Cladding Rustic



CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		UP	PP	UP	PP
ATS-R150	135 x 19	•	•	•	•
ATS-R200	180 x 19	•	•	•	•
ATS-R250	240 x 19	•	•	•	•

**Special Notes:** Refer to special notes P50.

UP: Unprimed | PP: Preprimed





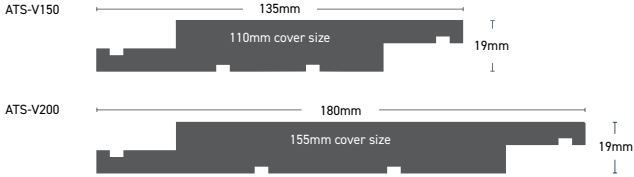
**Woodridge Estate** Wellington



**Woodridge Estate** Wellington



## Kakapo Cladding Vertical Shiplap

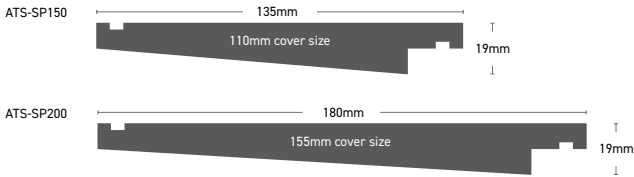


CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		UP	PP	UP	PP
ATS-V150	135 x 19	•	•	•	•
ATS-V200	180 x 19	•	•	•	•

**Special Notes:** Refer to special notes P50.



## Kakapo Cladding Splaycut



CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		UP	PP	UP	PP
ATS-SP150	135 x 19	•	•	•	•
ATS-SP200	180 x 19	•	•	•	•

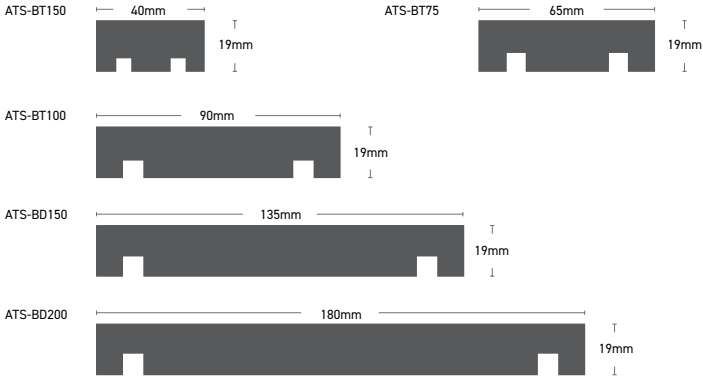
**Special Notes:** Refer to special notes P50.

UP: Unprimed | PP: Preprimed





## Kakapo Cladding Board & Batten



CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		0-6.0m		0-6.0m	
ATS-BT50	40 x 19	•	•	•	•
ATS-BT75	65 x 19	•	•	•	•
ATS-BT100	90 x 19	•	•	•	•
ATS-BD150	135 x 19	•	•	•	•
ATS-BD200	180 x 19	•	•	•	•

**Special Notes:** Refer to special notes P50.

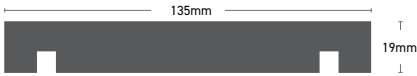
- Unprimed



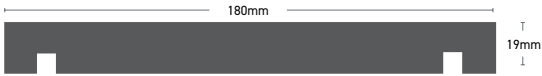


## Kakapo Cladding Fascia

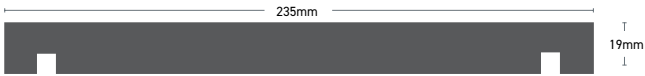
ATS-F15025



ATS-F20025



ATS-F25025



CODE	FINISH SIZE	H3.2 Smooth Face		H3.2 Bandsawn Face	
		UP	PP	UP	PP
ATS-F15025	135 x 19	•	•	•	•
ATS-F20025	180 x 19	•	•	•	•
ATS-F25025	235 x 19	•	•	•	•

**Special Notes:** Refer to special notes P50.

UP: Unprimed | PP: Preprimed


















PUBLIC HALL



**Kakapo Clears™ TG&V**

# Kakapo Clears™ TG&V Range

## FEATURES & BENEFITS

 Kiln dried	 Untreated	 H3.1 LOSP	 H3.2 CCA	 Preprimed option
 Indoor UT & H3.1	 Outdoor H3.2	 NZ grown	 Knot free	

## COMPLIES WITH

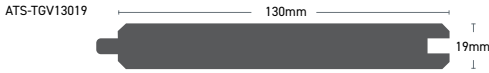
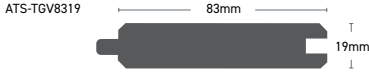
	
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## SPECIAL NOTES

- Kakapo Clears™ is a random length product. Select length requests are subject to availability POA
- Minimum run quantity is 150 l/m



# Kakapo Clears™ TG&V



CODE	FINISH SIZE	0-6.0m	
		UT	H3.1 / H3.2
ATS-TGV8319	83c x 19	•	•
ATS-TGV13019	130c x 19	•	•
ATS-TGV17219	172c x 19	•	•

**Special Notes:** Refer to special notes P58.

c= cover (what is visible once installed)



Please advise at time of order if product is to be painted when installed this will enable us to give slightly more clearance to the tongue and groove, making it easier to install.





**Stone Residence** Waikanae



**Stone Residence** Waikanae



**Office** Levin



**Kingfisher Spruce™**  
TG&V



# Kingfisher Spruce™ TG&V

## FEATURES & BENEFITS



Superior  
visual grade



Kiln  
dried



Responsibly  
sourced



Superior  
strength & stability



Indoor  
UT Natural

## SPECIAL NOTES

- Predominantly available in longer lengths up to 6.0m.
- Kingfisher Spruce TG&V is a tight knot dress grade.



**Tip**

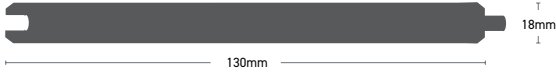
*This product looks stunning left natural with a clear finish or can be whitewashed/ blanded to achieve modern look to the product.*





# Kingfisher Spruce™ TG&V

ATS-TGV13018



CODE	FINISH SIZE	Untreated
		UT
ATS-TGV13018	130c x 18	•

**Special Notes:** Refer to special notes P62

c= cover (what is visible once installed)



*Excellent wall and ceiling lining for sauna rooms.*





**Information**





*Handy info to help make dealing with us as easy as possible.*

# New Zealand Standards (NZS)

All information contained within this publication has been prepared in accordance with all applicable and current NZ Standards. A brief summary of the NZ Standards for timber are as follows:

- 
- |  |   |
|--|---|
| <b>NZS</b> 3602:2003<br><small>TIMBER AND WOOD-BASED PRODUCTS USED IN BUILDING</small> | <p>This Standard gives the requirements for timber and wood-based products for particular uses in building so that they can be expected to give acceptable performance during the life of the building. To that end this Standard covers the materials themselves and aspects of design and construction that are relevant to their performance in use.</p>   |
| <b>NZS</b> 3603:1993A4<br><small>TIMBER STRUCTURES STANDARD</small>                    | <p>Replaces amendment 3 which was found to contain errors ... The amendment provides for lower design stresses for non verified timber. It recognises deficiencies in sole reliance on existing timber grading methods as a means of reliably establishing the characteristic strength and stiffness properties of sawn timber. The amendment also provides design stresses for new verified timber grades.</p> |
| <b>NZS</b> 3604:2011<br><small>TIMBER FRAMES BUILDINGS</small>                         | <p>Replaces NZS3604:1999. Provides methods and details for the design and construction of timber-framed structures not requiring specific engineering design. This Standard applies to residential buildings up to three-storeys high including multi-residential buildings, some commercial buildings and freestanding, uninhabited garages.</p>   |
| <b>NZS</b> 3622:2004<br><small>VERIFICATION OF TIMBER PROPERTIES</small>               | <p>This Standard describes procedures for the initial evaluation and daily quality control requirements necessary to ensure that timber has the structural properties claimed for it. The procedures apply both to timber that is visually and machine stress graded.</p>   |
| <b>NZS</b> 3631:1988<br><small>NEW ZEALAND TIMBER GRADING RULES</small>                | <p>Establishes visual grading rules for the selection of timber into quality classes. Four types of grades have been specified. Provision has also been made for new crop radiata pine.</p>   |
| <b>NZS</b> 3640:2003<br><small>CHEMICAL PRESERVATION OF ROUND AND SAWN TIMBER</small>  | <p>This Standard sets out requirements for the preservative treatment and identification of timber to provide protection from decay and insect attack including marine borers in all likely exposure conditions throughout New Zealand, based on six hazard classes that are described in this Standard.</p>  |
- 

All above information was sourced from: [www.standards.co.nz](http://www.standards.co.nz)



# Timber Sizes: Metric v. Imperial

IMPERIAL (INCHES)	METRIC (MM)				
	BEAMS & FRAMING			BOARDS & MOULDINGS	
	Wet RS	Wet PG	KD PG	KD RS	KD D4S
2 x 1				50 x 25	40 x 19
3 x 1				75 x 25	65 x 19
4 x 1				100 x 25	90 x 19
5 x 1				125 x 25	114 x 19
6 x 1				150 x 25	138 x 19
8 x 1				200 x 25	180 x 19
10 x 1				250 x 25	235 x 19
12 x 1				300 x 25	280 x 19
3 x 1 ½				75 x 40	65 x 30
4 x 1 ½				100 x 40	90 x 30
6 x 1 ½				150 x 40	135 x 30
8 x 1 ½				200 x 40	180 x 30
10 x 1 ½				250 x 40	235 x 30
12 x 1 ½				300 x 40	280 x 30
2 x 2	50 x 50	47 x 47	45 x 45	50 x 50	42 x 42
3 x 2	75 x 50	69 x 47	70 x 45	75 x 50	65 x 42
4 x 2	100 x 50	94 x 47	90 x 45	100 x 50	90 x 42
5 x 2				125 x 50	114 x 42
6 x 2	150 x 50	144 x 47	140 x 45	150 x 50	135 x 42
8 x 2	200 x 50	194 x 47	190 x 45	200 x 50	180 x 42
10 x 2	250 x 50	244 x 47	240 x 45	250 x 50	235 x 42
12 x 2	300 x 50	294 x 47	290 x 45	300 x 50	280 x 42
3 x 3	75 x 75	69 x 69	70 x 70	75 x 75	65 x 65
4 x 3	100 x 75	94 x 69	90 x 70	100 x 75	90 x 65
6 x 3	150 x 75	144 x 69	140 x 70	150 x 75	135 x 65
8 x 3	200 x 75	194 x 69	190 x 70	200 x 75	180 x 65
10 x 3	250 x 75	244 x 69	240 x 70		
12 x 3	300 x 75	294 x 69	290 x 70		
4 x 4	100 x 100	94 x 94	90 x 90	100 x 100	90 x 90
6 x 4	150 x 100	144 x 94	140 x 90		
8 x 4	200 x 100	194 x 94	190 x 90		
10 x 4	250 x 100	244 x 94	240 x 90		
12 x 4	300 x 100	294 x 94	290 x 90		
5 x 5	125 x 125	120 x 120			
6 x 6	150 x 150	144 x 144			
8 x 6	200 x 150	194 x 144			
10 x 6	250 x 150	244 x 144			
12 x 6	300 x 150	294 x 144			
8 x 8	200 x 200	194 x 194			
10 x 8	250 x 200	244 x 194			
12 x 8	300 x 200	294 x 194			
10 x 10	250 x 250	244 x 244			
12 x 12	300 x 300	294 x 294			



# Timber Treatment

## H1.2 Boron (Hazard Class H1.2)

- Exposure:** Protected from the weather, above ground, but with a possibility of exposure to moisture.
- Conditions:** Protected from the weather, but with a risk of moisture content conducive to decay.
- Biological Hazard:** Borers, decay
- Typical Uses:** Wall framing. See NZS3602.

\* At ATS Timber we recommend that this treatment is used for interior use only.



## H3.1 LOSP (Hazard Class 3.1)

- Exposure:** Exposed to the weather, above ground.
- Conditions:** Periodic wetting, not in contact with ground.
- Biological Hazard:** Decay fungi and borers.
- Typical Uses:** Cladding, fascia, joinery.



## H3.2 CCA (Hazard Class 3.2)

- Exposure:** Exposed to the weather, above ground, or protected from the weather but with a risk of moisture entrapment.
- Conditions:** Periodic wetting, not in contact with the ground, more critical end uses.
- Biological Hazard:** Decay fungi & borers.
- Typical Uses:** All H3.1 uses, plus structural uses and decking.



## H4 CCA (Hazard Class 4)

- Exposure:** Exposed to the weather, inground or fresh water.
- Conditions:** Ground contact, or conditions of severe or continuous wetting.
- Biological Hazard:** Decay fungi & borers.
- Typical Uses:** Fence posts, landscaping timbers.



All above information was sourced from: "Osiose Guide to the Hazard Class System & Timber Preservation options in New Zealand" Osiose New Zealand"

Colouring is indicative only. Actual product may seem different from the above images.



## H5 CCA (Hazard Class 5)

- Exposure:** Exposed to the weather, inground or in fresh water.
- Conditions:** Ground contact, or conditions of severe or continuous wetting, where uses are critical and where a higher level of protection than H4 is required.
- Biological Hazard:** Decay fungi & borers.
- Typical Uses:** House piles and poles, crib walling.



## H6 CCA (Hazard Class 6)

- Exposure:** Sea water and estuarine ground.
- Conditions:** Immersion in seawater or estuarine ground.
- Biological Hazard:** Marine wood borers and decay.
- Typical Uses:** Marine timber & piles.



The above information for H5 CCA and H6 CCA was sourced from: "Osmove Guide to the Hazard Class System & Timber Preservation options in New Zealand" Osmove New Zealand"

Colouring is indicative only. Actual product may seem different from the above images. For more info please see NZS 3602.

# Comparison Table

CHARACTERISTICS	RADIATA PINE			RADIATA PINE	EUROPEAN SPRUCE
	Weka SG8™	Weka Post	Weka No. 1™	Kingfisher SG8™	Kingfisher Spruce SG8 & SG10
Wet	•	•	•		
Dry				•	•
Visual Grade	•	•	•	•	•
NZ Grown	•	•	•	•	
Sustainable	•	•	•	•	•
Verified	•			•	•
Long Lengths	•				
Treatments					
Untreated				•	•
H1.2 Boron				•	
H3.1 LOSP				•	
H3.2 CCA	•		•		
H4 CCA	•	•	•		
H5 CCA	•		•		
H6 CCA	•		•		

Key: Black • standard, Red • run to order.



# Timber Verification Program

We operate our Timber Verification Program which is independently audited by industry leading, government approved agency; Grade Right (NZ) Ltd.

*“ATS Timber is one of our top ranking clients in terms of on-going compliancy with our Grade Verified Program and NZS3622:2004 ‘Verification of Timber Properties.’”* - Paul Carpenter, Managing Director, Grade Right (NZ) Ltd.



## Verification License No. **GV108**

Our Weka SG8™, Kingfisher SG8™ Pine and Kingfisher Spruce™ ranges undergo rigorous proof testing for bending stiffness (how elastic it is) and bending strength (how much weight it can take without breaking). Every piece is subject to a visual override to ensure it meets No.1 Frame visual requirements according to NZ Standards.

This verified program allows for greater scope in design as it removes the previous reliance on visual grading as being the only control of grade on structural timber.

# Conversion Chart

## LINEAL METRES PER CUBIC METRE

This is to calculate the amount of lineal metre's of timber in each cubic metre for each size, e.g. for 100 x 100 there is 100 lineal metre's in each cubic metre

Thickness	WIDTH							
	50	75	100	125	150	200	250	300
25	800.0	533.3	400.0	320.0	266.7	200.0	160.0	133.3
40	500.0	333.3	250.0	200.0	166.7	125.0	100.0	83.3
50	400.0	266.7	200.0	160.0	133.3	100.0	80.0	66.7
75		177.8	133.3	106.7	88.9	66.7	53.3	44.4
100			100.0	80.0	66.7	50.0	40.0	33.3
125				64.0	53.3	40.0	32.0	26.7
150					44.4	33.3	26.7	22.2
200						25.0	20.0	16.7
250							16.0	13.3
300								11.1

## COMMON CALCULATIONS

### CONVERTING LINEAL METRES TO CUBIC METRES

**Example:** The m<sup>3</sup> of 279 lineal metres of 150 x 50 =  $279 \times 0.15 \times 0.05 = 2.09\text{m}^3$   
 Converting this to \$ values: \$7.89 per lineal metre /  $0.15 / 0.05 = \$1052$  per metre

### CONVERTING CUBIC METRES TO LINEAL METRES

**Example:** The lineal metres of 2.09m<sup>3</sup> of 150 x 50 =  $2.09 / 0.15 / 0.05 = 279$  lineal metres  
 Converting to \$ values:  $\$1052\text{m}^3 \times 0.15 \times 0.05 = \$7.89$  per lineal metre



# Industry Terms

<b>ACQ</b>	Alkaline Copper Quaternary, timber treatment for H3.2, H4, H5. Approved by NZ Environmental Risk Management Authority (ERMA)	<b>KD</b>	Kiln dried
<b>AD</b>	Air dried (seasoned)	<b>LM</b>	Lineal metre
<b>AS</b>	Australian Standards	<b>LOSP</b>	Light organic solvent preservative. H1.2 and H3.1 used for interior and visual use
<b>Boron</b>	Interior timber treatment for resistance against fungal decay and insect attack	<b>MC</b>	Moisture content
<b>C.O.L</b>	Cut-of-log grade	<b>MG</b>	Machine gauged (pencil round edges)
<b>Call Size</b>	Also known as the nominal size, referring to the size of the timber in its original rough sawn state	<b>MSG8</b>	Former name for SG8 Dry Framing - non- visual
<b>CCA</b>	Copper Chrome Arsenic: the chemical used for H3.2, H4, H5 & H6 treatment	<b>No.1 Frame</b>	A visual grade of framing timber used for timber that is too large for verification and a visual override to structural verified timber
<b>Clear Azole</b>	A form of LOSP timber treatment. A clear treatment for interior and visual use, generally used in H3.1	<b>No.2 Frame</b>	A non structural grade of framing timber for non-visual applications
<b>Clear Mix</b>	Clears 1 and 2 grade	<b>NZ Oregon</b>	Douglas Fir
<b>Clears 1</b>	Clears 1 (knot free on all four faces)	<b>NZBC</b>	New Zealand Building Code
<b>Clears 2</b>	Clears 2 (defects/knot on one face only)	<b>NZS</b>	New Zealand Standards
<b>CTL</b>	Cut-to-length	<b>PG</b>	Planer Gauged (square edge)
<b>CQ</b>	Copper Quat	<b>RS</b>	Rough Sawn
<b>D4S</b>	Dressed 4 Sides (square edge)	<b>Seasoned</b>	Another term for Air Dried
<b>Dress Grade</b>	Tight knot appearance grade	<b>SG8</b>	Structural Grade 8 (dry)
<b>FIS</b>	Free in store (no delivery charge)	<b>SG8 Wet</b>	Wet Structural Grade 8
<b>FSC</b>	Forest Stewardship Council. An international organization established to promote the responsible management	<b>SG10</b>	Structural Grade 10 (dry)
<b>G8</b>	Former name for SG8 Wet	<b>SG12</b>	Structural Grade 12 (dry)
		<b>SL</b>	Select length
		<b>UT</b>	Untreated
		<b>VSG8</b>	Former name for SG8 (dry) visually graded timber



## Credit & Return Policy

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- All requests for credit for damaged or incorrectly supplied goods must be received in writing with all applicable supporting documents within 7 days of receipt of goods.
- Where goods have been supplied correctly and they are no longer required, a restocking fee of 20% and all freight costs will be deducted from the credit issued. All requests of this nature must be received in writing with all applicable supporting documents within 30 days of receipt of goods. Credits will only be issued once goods have been returned and checked that they are in resaleable form with no alterations or damage of any kind.
- No returns or replacements are to be sent back without the prior authorisation by ATS Timber Ltd management.
- Custom sizes, finishes, coatings, lengths, treatments and profiles are non-returnable.
- Any evidence of damaged goods is to be emailed to [sales@atstimber.co.nz](mailto:sales@atstimber.co.nz) before any replacement is arranged.
- ATS Timber Ltd will not accept the return or credit of timber that has not been handled and installed to industry practices and government standards and the Best Practice Guides outlined in this publication. Any claims for faulty timber must be raised in writing within 7 days of receipt of goods to qualify to claim a credit on them.
- No products that have been cut, altered or coated in anyway can be credited or returned. Goods are deemed to be acceptable once this has occurred or they have been installed.

## Disclaimer

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- All products are subject to availability at time of order.
- Every effort has been made to ensure the information contained in this publication complies with existing building standards and recognised codes of practice at time of printing. No responsibility is taken for any errors or omissions, or for any specifications based on this document. ATS Timber Ltd reserves the right to revise without prior warning any information contained in this publication.
- All information, images and recommendations in this publication are a guide only.
- Users of ATS Timber products should rely on their own professional judgement and skill in determining the appropriateness of product choices and design for New Zealand Building Code compliant systems. ATS Timber Ltd will not be responsible for any loss due to incorrect handling, installation, product care; or poor design when using our products.
- Timber is a natural product and is subject to movement, especially if exposed to weather, moisture and heat. Please refer to our 'Best Practice' guidelines in this publication to minimise this risk. The Best Practice Guides available on the website [www.atstimber.co.nz](http://www.atstimber.co.nz)
- ATS Timber Ltd takes no responsibility for any recommendations from a third party or reseller of our products unless there has been prior consultation with us regarding the specific situation.
- The timber sizes noted are ATS Timber Ltd's standard sizes. Any variations may incur additional charges and lead times. Any variation to dimensions of verified timber will mean that verification may not be achievable.
- All information contained in this publication is copyright, and may not be reproduced in any form without prior written permission from management at ATS Timber Ltd.



# Freight Schedule



AREA	TO STORE	
		•
Local	•	•
North Island	•	•
South Island	•	•

## Contact Us



**Questions?!**

Contact one of our  
Timber Consultants  
today.



**TIMBER CONSULTANT**

**0508 22 77 22**



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25 Main Road South, Levin 5510,  
New Zealand



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**EMAIL**

[sales@atstimber.co.nz](mailto:sales@atstimber.co.nz)





**Kingfisher**



**Kakapo**



**Weka**

**ATS**  
**TIMBER**

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