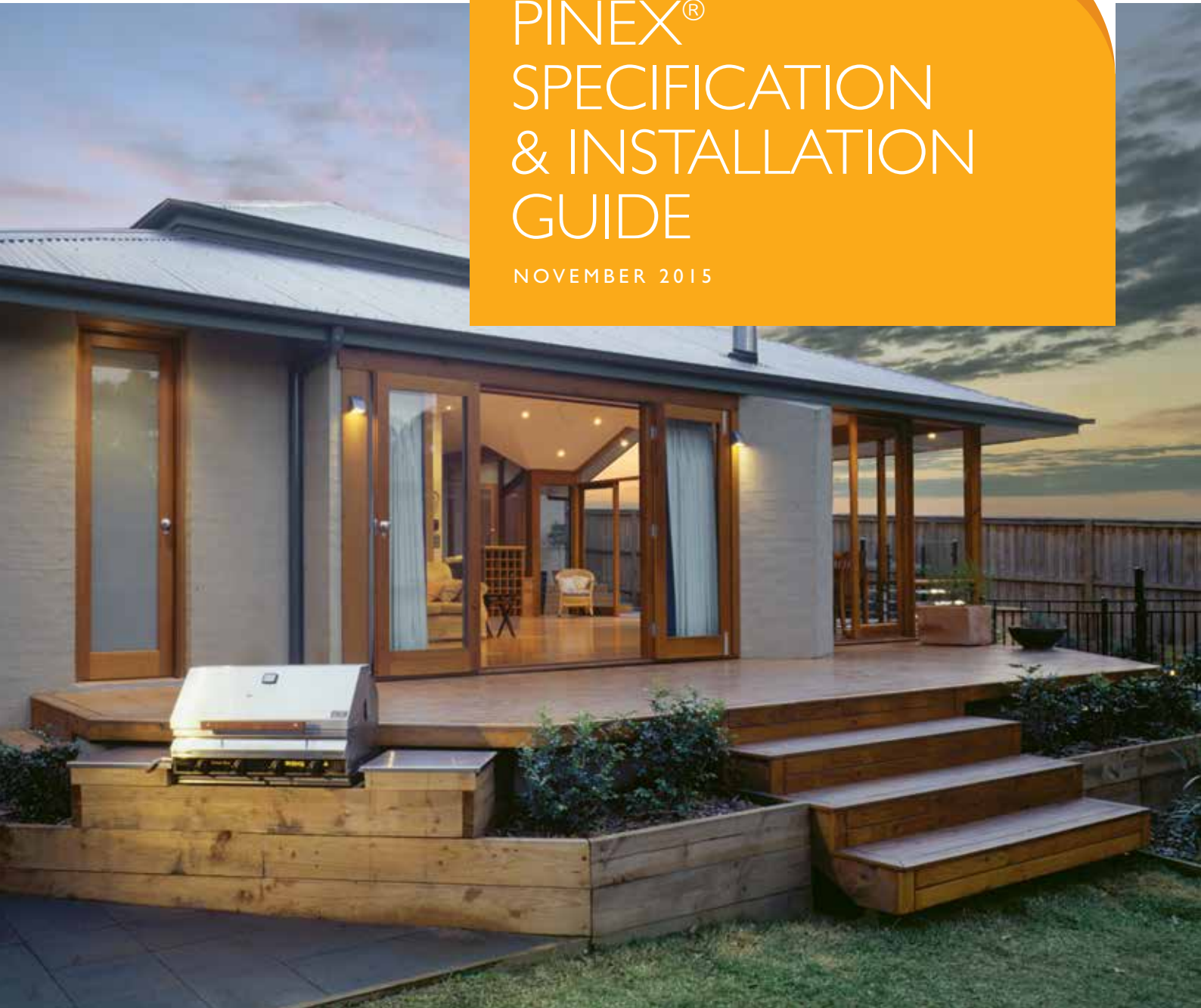


PINEX[®] SPECIFICATION & INSTALLATION GUIDE

NOVEMBER 2015



PINEX[®] SPECIFICATION & INSTALLATION GUIDE

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The information contained in this product information sheet is current as at November 2015 and is based on data available to Carter Holt Harvey[®] Woodproducts as at the time of going to print.

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1.0 PINEX® OUTDOOR TIMBER

Pinex® has been a trusted name in wood products for generations of New Zealanders. Today, Pinex outdoor timber products are used by many garden designers, leading landscapers, builders and DIY enthusiasts. This is because New Zealanders recognise the unique aesthetic and environmental benefits wood has to offer.

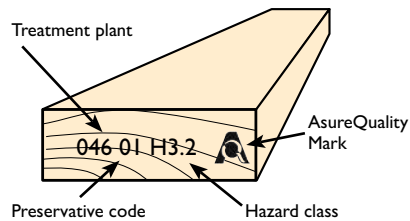
Environmentally, wood is a renewable resource which is in harmony with our natural landscape, and aesthetically, the warmth and feel of natural wood is unequalled.

The Pinex range of products have been designed to blend superbly into any style of backyard or home, and include: Retaining Wall, No.2 Frame, Square Fence Posts, Rails, House Piles, Anchor Piles, Palings and Decking Timber. The Pinex Verified range is a great alternative to the more traditional No.1 Frame and is the perfect solution for any outdoor project as it has the added bonus of being structurally tested.

The extensive range of Pinex and Pinex Verified outdoor timber products are light and easy to use and a great option for any outdoor project.

1.1 PINEX® OUTDOOR TREATMENT

- All Pinex® Outdoor timber is treated with CCA.
- All Pinex Outdoor timber is branded on the end or side of each stick (except small dimension profiles). The brand will identify the registered number of the treatment plant, the preservative code, the hazard class and include the third party auditors mark that verifies compliance with the treatment specifications.



Plant 046 – Carter Holt Harvey Kinleith
 Plant 004 – Carter Holt Harvey Nelson

TABLE 1: PINEX® TREATMENT HAZARD CLASSES

Hazard Class	Specification	Uses
H3.2	Moderate decay hazard, exposed to the weather but not in contact with the ground	Fence palings, rails, battens, decking, weatherboards, exterior joinery
H4	High decay hazard, in contact with the ground or fresh water	TGV, fence posts/landscape timbers
H5	Severe decay hazard or critical load bearing applications	House piles, poles, crib walls
H6	Marine hazard, prolonged exposure to sea water	Marine piles and timber

1.2 TIMBER MOVEMENT

- Timber exposed to the elements may change dimensions.
- Some shrinkage, distortion and surface checking is a natural result of weathering and should be expected.
- The use of water repellent stains and finishes may reduce timber movement in some applications.

1.3 CUTTING TREATED TIMBER

All Pinex Outdoor timber is treated for extended life. The protection is compromised if the treated timber is cut or drilled. If processing after treatment is unavoidable, be sure to protect the affected parts by brushing on liberal quantities of an approved preservative, e.g. Enseal or Metallex.

Ends cut after treatment must not be put into the ground, nor closer than 300 mm to the ground and, where possible, should be continuously protected from the weather.

1.4 CARE AND HANDLING

Recommendations for working safely with treated timber:

Wear

- Gloves
- Goggles
- Mask

Don't

- Burn it
- Cook with it
- Use it for animal litter

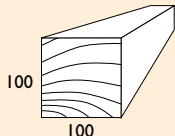
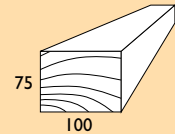
Do

- Wash work clothes worn during installation separately
- Dispose of waste in an approved landfill

2.0 FENCING

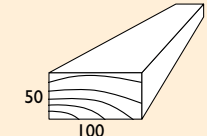
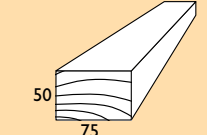
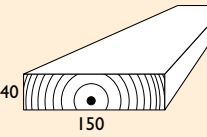
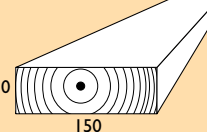
2.1 POSTS

TABLE 2: POST PRODUCT RANGE

Posts	Size (mm)	Treatment/Finish	Length (m)	Detail
Post Grade	100 x 100	H4 Sawn	1.8/2.1/2.4/2.7/3.0/3.6	
	100 x 75	H4 Sawn	1.8/2.1/2.4/2.7/3.0	

2.2 RAILS

TABLE 3: RAIL PRODUCT RANGE

Rail	Size (mm)	Treatment/Finish	Length (m)	Grade	Detail
Rail	100 x 50	H3.2 Sawn	4.8/5.4/6.0	Rail*	
	75 x 50	H3.2 Sawn	4.8/6.0	Rail*	
	150 x 40	H3.2 Sawn	4.8/5.4/6.0	Rail*	
	150 x 50	H3.2 Sawn	4.8/5.4/6.0	Rail*	

*Proprietary Rail grade. Defect combinations of 60% of the cross section allowed.

2.3 PALINGS

TABLE 4: PALING PRODUCT RANGE

Palings	Size (mm)	Treatment/Finish	Length (m)	Detail
Palings	150 x 25	H3.2 Sawn	0.9/1.2/1.5/1.8/2.1/2.4	
	150 x 19	H3.2 Sawn	1.2/1.5/1.8	

100 x 25 mm H3.2 cut of log also available in random length if required.

3.0 GENERAL USE PRODUCTS

3.1 DECKING

TABLE 5: DECKING PRODUCT RANGE

Decking	Size (mm)	Treatment/Finish	Length/Availability	Detail
Premium	88 x 32	H3.2 Griptread	Random – North Island only	
Regular	88 x 21	H3.2 Griptread	Select length – South Is – Random – North Is	
	88 x 32	H3.2 Griptread	Select length North and South Island	

Premium Decking may not always be available

Pinex® regular and premium decking has a reversible profile and can be laid either smooth or 'griptread' face up. The smooth face has the advantage of being easier to keep clean. Griptread meets the requirements for slip resistance

when the length of the griptread is placed at right angles to the direction of travel where decks provide access to a building. Griptread face to joists allows for free air movement between decking and joists.

3.2 NAILING GUIDE (DECKING)

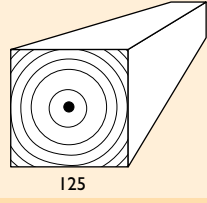
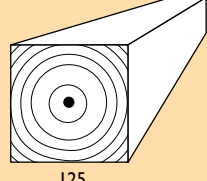
TABLE 6: NAILING GUIDE

Actual Size (mm)	Decking Nails
88 x 21	60 x 3.15*
88 x 32	75 x 3.15*

*Nails should be hot dipped galvanised annular grooved with countersunk heads. In locations where chlorinated or salt water are present it is recommended that stainless steel nails are used for all sizes.

3.3 ANCHORPILES AND HOUSEPILES

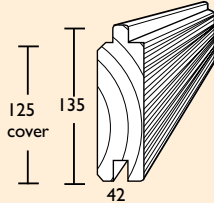
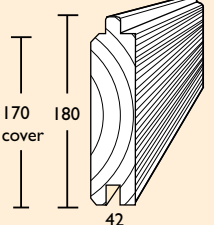
TABLE 7: ANCHORPILE AND HOUSEPILE PRODUCT RANGE

Pile	Size (mm)	Treatment/Finish	Length	Detail
Housepile	125 x 125	H5 Sawn	0.45/0.6/0.75/0.9*	
Anchorpile	125 x 125	H5 Sawn	1.2/1.5/1.8/2.1/ 2.4/2.7/3.0/3.6*	

See the House and Anchor Pile Information sheet for further testing and specification details.

3.4 RETAINING WALLS

TABLE 8: RETAINING WALL PRODUCT RANGE

Retaining	Size (mm)	Treatment/Finish	Length	Detail
Tongue & Groove	135 x 42	H4 Fine grooved finish	Select length & random	
	180 x 42	H4 Fine grooved finish	Select length & random	

3.5 PINEX® VERIFIED

Pinex® Verified is a great alternative to traditional No 1. Framing products and is the perfect solution for any outdoor projects as it has the added bonus of being structurally

tested. You can rely on Pinex Verified for both Structural and Non Structural applications.

TABLE 9: CHARACTERISTIC STRESSES FOR PINEX® VERIFIED TIMBER

Grade	Bending Strength f_b (MPa)	Compression Strength f_c (MPa)	Tension Strength f_t (MPa)	Modulus of Elasticity E (GPa)	Lower Bound Modulus of elasticity E_{lb} (GPa)
Pinex® Verified – wet in service moisture content greater than 16%	11.7	12.0	4.0	6.5	4.4
Pinex Verified – dry in service moisture content less than or equal to 21%	14.0	18.0	6.0	8.0	5.4

NOTE:

- 1) Pinex Verified is verified in the dry condition.
- 2) Designers must ensure that for dry in service use that the approximate creep factors are used in accordance with NZS 3603 or alternatively members are propped, during the drying process to minimise creep deflection.

TABLE 10: PINEX VERIFIED PRODUCT RANGE

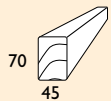
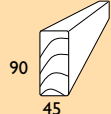
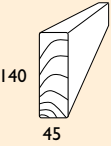
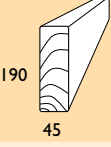
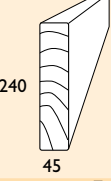
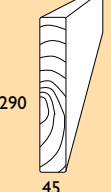
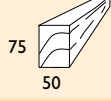
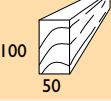
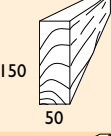
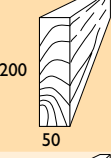

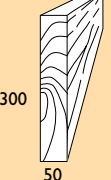
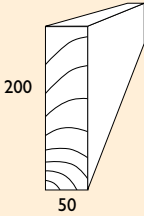
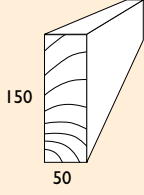
Verified	Size (mm)	Treatment/Finish	Length	Detail
SG8 Wet MG	70 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	90 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	140 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	190 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	240 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	290 x 45	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
SG8 Wet RS	70 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	100 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	150 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	200 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	250 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	
	300 x 50	H3.2 Sawn	3.6/4.2/4.8/5.4/6.0	



TABLE 11: FRAMING PRODUCT RANGE

No.2 Framing	Size (mm)	Treatment/Finish	Length	Detail
Framing	200 x 50	H4 Sawn	Select length & random	
	150 x 50	H4 Sawn	Select length & random	

4.0 STANDARD SIZES FOR OUTDOOR TIMBER

Figure 1

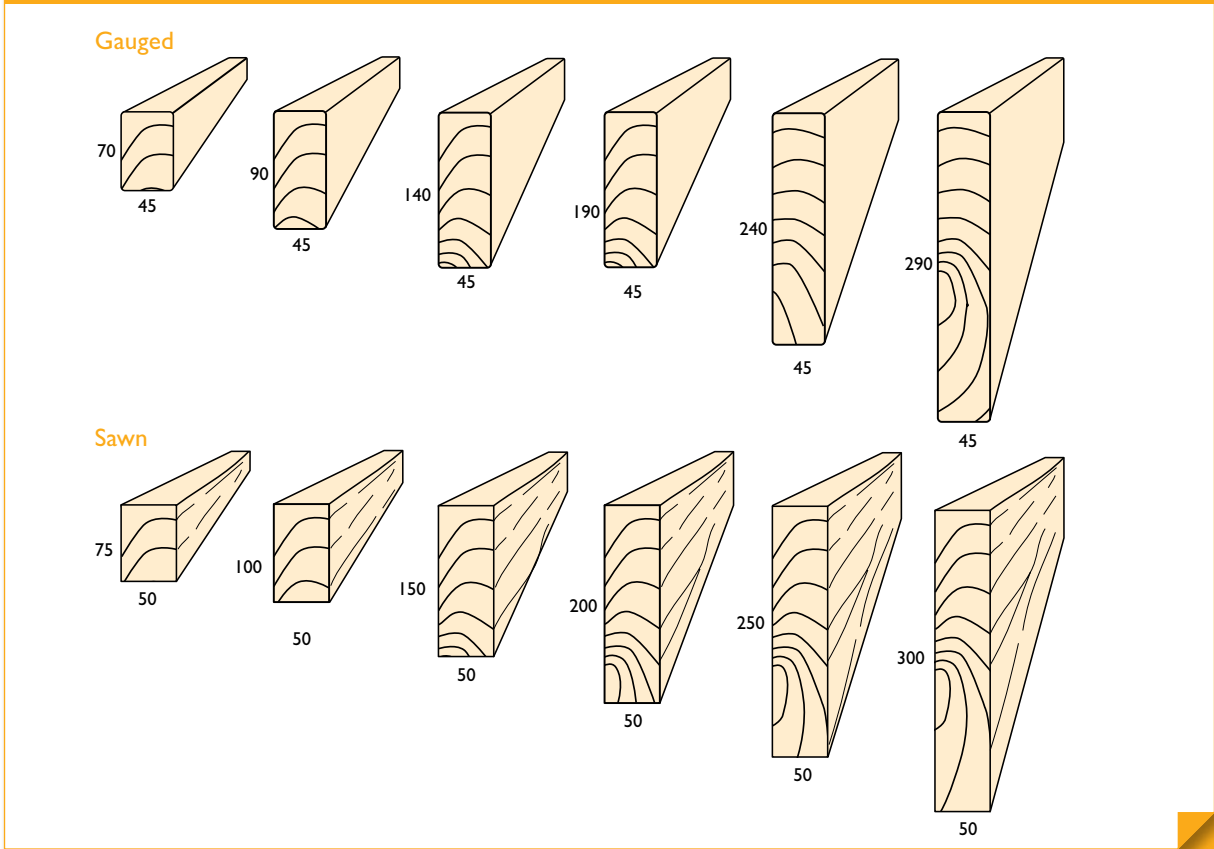


TABLE 12: STANDARD PRODUCT AVAILABILITY

Grade	Nominal Size (mm)	Treatment/Finish	Availability
Pinex® Verified	70 x 45	H3.2 Sawn	North and South Island
	90 x 45	H3.2 Sawn	North and South Island
	140 x 45	H3.2 Sawn	North and South Island
	190 x 45	H3.2 Sawn	North and South Island
	240 x 45	H3.2 Sawn	North and South Island
No. 2 Framing	150 x 50	H4 Sawn	North and South Island
	200 x 50	H4 Sawn	North and South Island
Rail	75 x 50	H3.2 Sawn	North and South Island
	100 x 50	H3.2 Sawn	North and South Island
	150 x 40	H3.2 Sawn	North and South Island
Merch*	150 x 50	H3.2 Sawn	North and South Island
	40 x 18	H3.2 gauged	North and South Island
	75 x 25	H3.2 Sawn	North and South Island
	150 x 23	H3.2 Sawn	North and South Island
Cut of Log*	200 x 23	H3.2 Sawn	North and South Island
	50 x 50	H3.2, H4 Sawn	North and South Island
	100 x 25	H3.2, H4 Sawn	North and South Island
PV	75 x 50	H3.2 Sawn	North and South Island
	100 x 50	H3.2 Sawn	North and South Island
	150 x 50	H3.2 Sawn	North and South Island
	200 x 50	H3.2 Sawn	North and South Island
	250 x 50	H3.2 Sawn	North and South Island
	300 x 50	H3.2 Sawn	North and South Island

*Random lengths only. All other products and sizes supplied in set lengths

NOTES





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