

GRADING GUIDELINES FOR RADIATA PINE

NO.1 CLEAR GRADE: Clear on all four faces with the occasional minor blemish permissible as per N.Z. Timber Grading Rules NZS 3631:1988. Typical end uses include mouldings, dressed boards, panelling, and products that require a stained finish.

PREM GRADE: A near clear grade used in decking which allows for a small number of tight defects on the best face and edges. Blackface allows occasional large or broken knot defects and some hit and miss dressing.

SG8 DRY: SG8 dry is a structural grade ex pruned log that allows tight and live knot defects. Suitable for Lintels, floor joists, roof beams, general framing, trusses, decking joists, Veranda posts, Pergola and other outdoor applications.

MERCHANT GRADE: Contains the next layer of wood beyond the core of the log. Grading allows heartwood and any number of knots and defects which are generally sound and tight (inter-grown). Grading allows for a small amount of pith (less than 10% of the length), cone hole, needle trace, light to moderate resin, light blue stain and wane on up to 30% of the edge. Cluster and spike knots are allowed as long as structurally sound. Grading does not allow pith (greater than 10% of length), dead knots, decaying timber and broken pieces.

INDUSTRIAL OR BOXING GRADE: Contains the core (pith) of the log and surrounding heavy heartwood zone. Grading allows any amount of pith, spiral grain, large knots, broken knots, spike and cluster knots. Grading allows cone hole, needle trace, resin pockets, moderate blue stain and wane on 50% of edges. Grading does not allow decay, broken and fallen knots bigger than half the width, heavy blue stain, and pieces of timber that do not hold together (are not structurally sound).

H3.1 - Outside, above ground, periodic wetting but where the timber can dry out; some leaching. Requires painting for ongoing protection.

H3.2 - Outside above ground, periodic wetting but where the timber can dry out; some leaching

H4 - In or on the ground subject to severe wetting and leaching

H5 - In or on the ground subject to severe wetting and leaching, with or in freshwater

WAT - Wet After Treatment **DAR** – Dressed **T&G** - Tongue & Groove

UT – Untreated **D4S** - Dressed four sides **KD** - Kiln Dried

GS - Green Sawn **RHD** - Rougher Headed **P/G** - Planer Gauged

R/S - Rough Sawn **G/T** - Grip Tread **WAT** - Wet after treatment

Product Choice and Use

Pine Products endeavour to supply a range of product that is both cost competitive and fit for purpose.

Customers and end users should choose carefully as to what grade and condition the timber is required in. Fencing and landscape products are generally supplied in lower priced treated wet core wood grades that are prone to shrinkage and checking.

High grade (premium) wet treated decking will also shrink but this can be minimised with careful handling and installation.

Please refer to BRANZ best practice building guidelines and the Pine Products NZ website for more information.

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Description	Finish Size (mm)	Treatment / Grade	Length	Pack Size	Notes
25MM MERCH	50x25	H4 R/S WAT	custom /4.8m / 5.4m / 6m	200 pcs	
25MM MERCH	75x25	H4 R/S WAT	custom /4.8m / 5.4m / 6m	150 pcs	
25MM MERCH	100x25	H4 R/S WAT	custom /4.8m / 5.4m / 6m	135 pcs	
25MM MERCH	150x25	H4 R/S WAT	custom /4.8m / 5.4m / 6m	98 pcs	
25MM MERCH	200x25	H4 R/S WAT	custom /4.8m / 5.4m / 6m	75 pcs	
STD RAIL	75x50	H3.2 R/S	4.8m / 5.4m / 6m	104 pcs	
STD RAIL	100x50	H3.2 R/S	4.8m / 5.4m / 6m	80 pcs	
STD RAIL	150x50	H3.2 R/S	4.8m / 5.4m / 6m	56 pcs	
STD RAIL	200x50	H3.2 R/S	4.8m / 5.4m / 6m	40 pcs	
POST	100x100	H4 R/S WAT	2.4m / 2.7m / 3m / 4.8m / custom	40 pcs	
POST	100x75	H4 R/S WAT	2.4m / 2.7m / 3m / 4.8m / custom	50 pcs	
POST	125x75	H4 R/S WAT	2.4m / 2.7m / 3m / 4.8m / custom	40 pcs	
POST	90x90	H4 KD RHD	1.8m / 2.7m / 3m / 4.8m / 3.6m / custom	32 pcs	F7C Kiln-Dried after treatment
POST	88x88	H4 KD RHD	1.8m / 2.4m / 3m / 3.6m / custom	32 pcs	SG8 Kiln-Dried after treatment
Decking	90x21	H3.2 G/T MERCH	3m / custom / 6m	160 pcs	
Decking	90x32	H3.2 G/T MERCH	3m / custom / 6m	128 pcs	
Decking	140x32	H3.2 G/T MERCH	3m / custom / 6m	70 pcs	
Decking	90x21	H3.2 G/T PREM	3m / custom / 6m	160 pcs	
Decking	90x32	H3.2 G/T PREM	3m / custom / 6m	128 pcs	
Decking	140x32	H3.2 G/T PREM	3m / custom / 6m	70 pcs	
PALING	150x12	H3.2 R/S	1.2m / 1.5m / 1.8m / 2.1m	420 pcs	
PALING	150x19	H3.2 R/S	1.2m / 1.5m / 1.8m / 2.1m	252 pcs	
PALING	150x25	H3.2 R/S	1.2m / 1.5m / 1.8m / 2.1m	210 pcs	
PALING	75x25	H3.2 R/S	1.2m / 1.5m / 1.8m / 2.1m	300 pcs	
PALING	68x19	H3.2 D4S	1.2m / 1.5m / 1.8m / 2.1m	300 pcs	
PALING	90x19	H3.2 D4S	1.2m / 1.5m / 1.8m / 2.1m	200 pcs	
PALING	140x19	H3.2 D4S	1.2m / 1.5m / 1.8m / 2.1m	210 pcs	
RETAINING WALL	140x45	H4 T&G	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	56 pcs	
RETAINING WALL	190x45	H4 T&G	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	40 pcs	
RETAINING WALL	150x50	H4 R/S	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	56 pcs	No.2 nonT&G
RETAINING WALL	200x50	H4 R/S	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	40 pcs	No.2 nonT&G
CAPPING	90x45	H3.2 P/G	4.8m	80 pcs	
CAPPING	140x45	H3.2 P/G	4.8m	56 pcs	
No.1 RAIL	75x50	H3.2 R/S	4.8m / 5.4m / 6m	104 pcs	Special Order
No.1 RAIL	100x50	H3.2 R/S	4.8m / 5.4m / 6m	80 pcs	Special Order
No.1 RAIL	150x50	H3.2 R/S	4.8m / 5.4m / 6m	56 pcs	Special Order
KICKBOARD	190x18	H3.2 P/G	4.8m / custom	75 pcs	
BOXING	75x25	UT GS	1.2 / custom / 6m	Random	
BOXING	100x25	UT GS	1.2 / custom / 6m	Random	
BOXING	150x25	UT GS	1.2 / custom / 6m	Random	
BOXING	200x25	UT GS	1.2 / custom / 6m	Random	
BOXING	300x25	UT GS	1.2 / custom / 6m	Random	
BOXING	100x50	UT GS	1.2 / custom / 6m	120 pcs	
BOXING	90x45	UT P/G	1.2 / custom / 6m	Random	
CEILING BATT	68x32	H1.2 P/G	4.8m / custom	220 pcs	
TILE BATT	50x40	H3.2 R/S	5.4m / 6m	220 pcs	
DROPPER	50x40	H3.2 / H4 R/S	1.07m / 1.17m / custom	320 pcs	
DROPPER	50x50	H3.2 / H4 R/S	1.07m / 1.17m / custom	320 pcs	
SG8 RAD	75x40	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	120 pcs	
SG8 RAD	90x45	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	69 pcs	
SG8 RAD	140x45	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	60 pcs	
SG8 RAD	190x45	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	48 pcs	
SG8 RAD	240x45	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	36 pcs	
SG8 RAD	290x45	H3.2 KD PG	3.6m / 4.2m / 4.5m / 4.8m / 5.4m / 6m	18 pcs	
SG8 RAD	140x45	H3.2 WAT PG	Random length heavy 4.5m / 4.8m	60 pcs	Wet after treatment
SHEEP GRATING	50x40	H3.2 / H4 R/S	2.4m / custom	varies	
SHEEP GRATING	60x40	H3.2 / H4 R/S	2.4m / custom	varies	
SHED GIRTS & PURLINS	150x38	H3.2 / H4 R/S	2.4m / custom	70 pcs	
FAT BOY FENCE RAIL	150x50	H3.2 / H4 R/S	3.6m / 4.2m / 4.8m / 5.4m / 6m	56 pcs	