



FRAME SMART[®]
PINE FRAMING SOLUTIONS

Pine Framing Solutions

<p>Head Office 31-45 Orchard Street, Kilsyth, Victoria 3137</p> <p>email: sales@tilling.com.au</p> <p>Phone +61 3 9725 0222 Fax +61 3 9725 3045</p>	<p>New South Wales 109 Kurrajong Avenue, Mt Druitt, NSW 2770</p> <p>email: nswsales@tilling.com.au</p> <p>Phone +61 2 9677 2600 Fax +61 2 9677 2500</p>	<p>Queensland 20-24 Nealdon Drive, Meadowbrook, QLD, 4131</p> <p>email: qldsales@tilling.com.au</p> <p>Phone +61 7 3440 5400 Fax +61 7 3440 5444</p>	<p>Western Australia 10 Cartwright Drive, Forrestdale, WA 6112</p> <p>email: wasales@tilling.com.au</p> <p>Phone +61 8 9399 1609 Fax +61 8 9399 1065</p>
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Available From:



**Light Construction
Pine Framing Material**



Termite Treatment Options



25 Year Guarantee on Treated Products

SMARTFRAME[®] Architectural Products **SmartPrime** *Red Alert* **FRAME SMART**[®]

For further details on the entire Tilling product range visit www.tilling.com.au

Pine Timber Products

Pine products are graded in various ways, depending upon their end usage. Broadly speaking, there are two types of pine products:

1. Appearance Products. These are products used in applications where visual characteristics are most important e.g. lining boards, cladding, flooring, etc. Including our comprehensive range of exterior, pre-primed architecturally inspired profiles called SmartPrime.
2. Structural Products. These products are used in structural applications where strength and stiffness characteristics are most important e.g. house framing.

In some cases a particular product may need to meet appearance as well as structural criteria, e.g. exposed beams or flooring.

There are two common methods of grading currently used in Australia:

1. Visual Grading involves the manual examination of a piece of timber and its assessment against a set of criteria. There are limits on characteristics such as knot size, slope of grain etc. Visual grading can be used for appearance as well as structural timber.

2. Mechanical Stress Grading is used for grading structural timber. The timber is fed through a machine that applies a load through a roller. The stiffness of the piece is determined based on its deflection and a grade assigned. Mechanical grading is used for the majority of structural pine produced in Australia.

The FrameSmart product range is very comprehensive and includes the following sizes, grades and lengths;

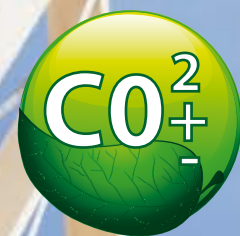
Size	Grade			Length
70 x 35	F5	MGP10	MGP12	2.4m - 5.4m
90 x 35	F5	MGP10	MGP12	2.4m - 5.4m
120 x 35	F5	MGP10	MGP12	2.4m - 5.4m
190 x 35	F5	MGP10	MGP12	2.4m - 5.4m
70 x 45	F5	MGP10	MGP12	2.4m - 5.4m
90 x 45	F5	MGP10	MGP12	2.4m - 6.0m
140 x 45	F7	MGP10	-	3.6m - 6.0m
190 x 45	F7	MGP10	-	3.6m - 6.0m
240 x 45	F7	MGP10	-	3.6m - 6.0m
290 x 45	F7	MGP10	-	3.6m - 6.0m

Sustainable Timber Products

Globally there exists two major certification bodies that coexist with the express aim of verifying and certifying sustainably managed timber resources and ensures that sustainable timber that is branded as such holds validity in terms of the claims made. We are happy to report that FrameSmart products are sourced from certified plantations and we are able to provide, upon request, chain of custody validated pine framing products.



SmartPrime Pre-primed Pine Profiles



Carbon Neutral



The Complete Package

Tilling can not only supply you with all of your Engineered Wood Product requirements, we can also supply you with all your Pine Framing materials. Tilling has a comprehensive range of pine framing products for use in domestic, semi-commercial and commercial building and constructions environments.

Tilling also provide a "Dock-to-Length" service for studs, allowing convenience of installation on site through a reduction in preparation time. This service is only available in select locations, please consult with your local sales representative for further details.

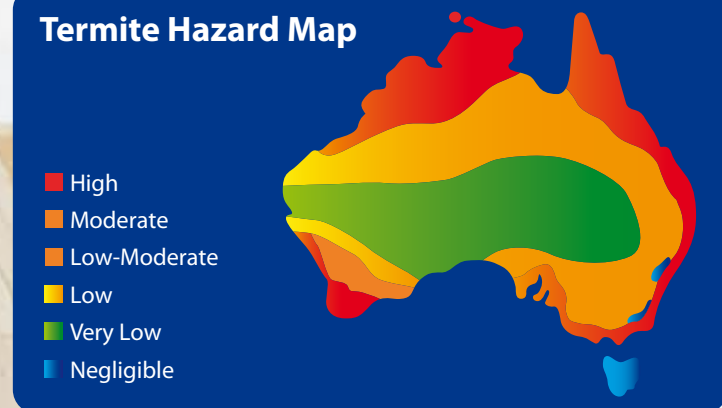
Tilling source and supply only from environmentally responsible, sustainable, plantation forests across the globe. FrameSmart is not only a brand, however a commitment to our customers that we are all contributing to support world's best practice in building and construction.



Termite Treatment Options

Unfortunately Australia's termite problem continues to grow from year to year. Termites are a major contributor to the degradation of structural support materials in our homes. Including the European House Borer (EHB) which is a serious pest of untreated dry softwood, including pinewood, particularly in Western Australia. Without appropriate action, EHB has the potential to infest homes built with untreated pinewood structural timber. FrameSmart pine framing products have the option of being treated with SmartGuard. SmartGuard termite treatments assist in protecting your building, speak to our friendly customer service team to find out more regarding treatment options, call 1300 668 690.

Termite Hazard Map



25 Year Guarantee

Tilling provides a fully transferable '25 year guarantee' on all SmartGuard treated pine framing products. Effectively this provides you with the reassurance that the product you purchase shall withstand an attack from Termites and European House Borer for a period of 25 years from the date of supply. Terms and conditions apply and are available upon request via our technical support line, 1300 668 690.