

CLASSIC
GRADE GUIDELINES
AUSTRALIAN OAK
& IRONASH

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Being owned and manufactured in Australia provides certainty in compliance and that our timber products are produced in accordance with the following Australian Standards and Laws:

- i. AS1604.1 Preservative-treated wood-based products, Part 1 Products and treatments –H3 treatment.
- ii. Finger jointed or laminated to AS/NZS 1328.2 Glued laminated structural timber, Part 2: Guidelines for AS/NZS 1328: Part 1 for the selection, production and installation of glued laminated structural timber.
- iii. Visually graded to AS 2082 Timber-Hardwood-Visually stress graded for structural purposes.
- iv. AS 4707 Chain of Custody of Forest and Tree-based Products – Requirements.

Introduction

Purpose of this document

This document is designed to provide a clear guide to understand the grading expectations of ASH's Classic Grade Australian Oak and IronAsh hardwood products.

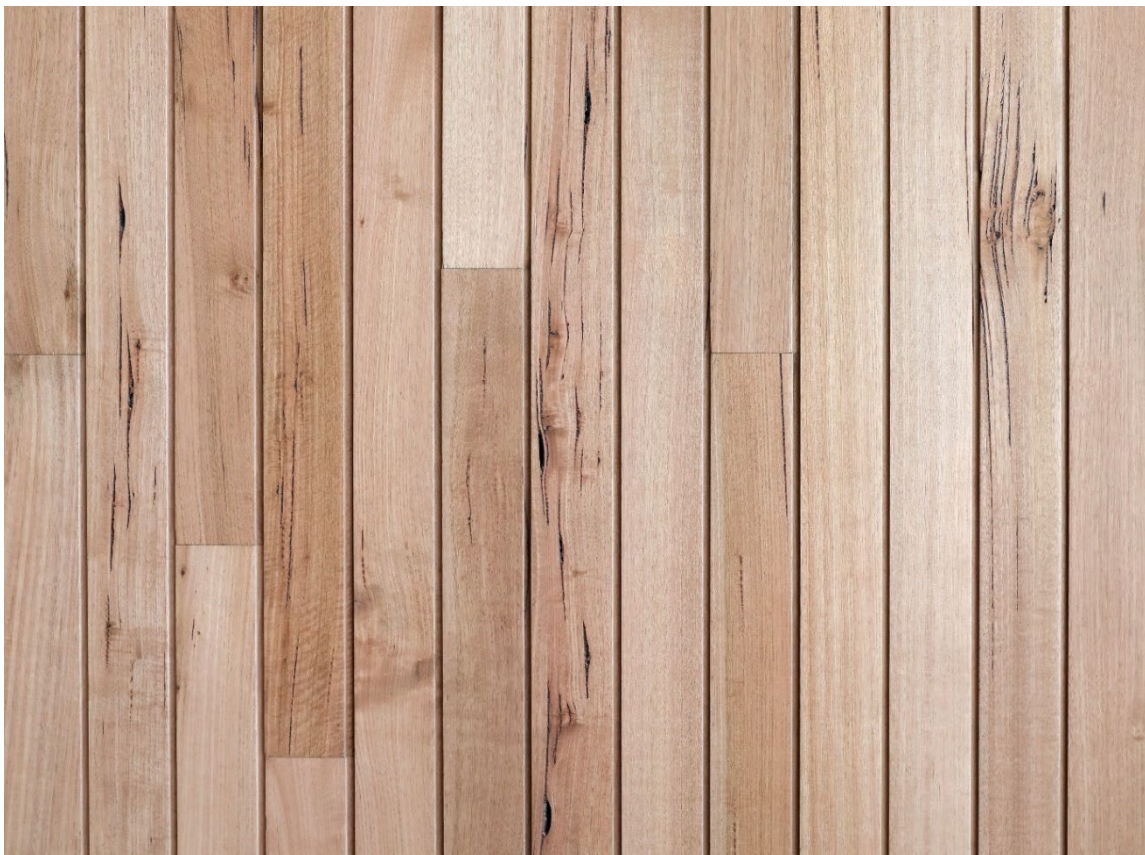
What is Classic Grade?

Classic Grade Australian Oak and IronAsh are a celebration of timber's natural features. Think gum veins, gum pockets, knots and surface checks.

Given these characteristics don't fall within the parameters of "select" or "standard" grading requirements, Classic Grade is a more affordable option for builders, manufactures and consumers alike.





What is Australian Oak and IronAsh?





Australian Oak is Australian Sustainable Hardwoods (ASH) brand of Tasmanian Oak timber. IronAsh is Australian Oak with the addition of a H3 water-based, durable treatment to be used in external applications.


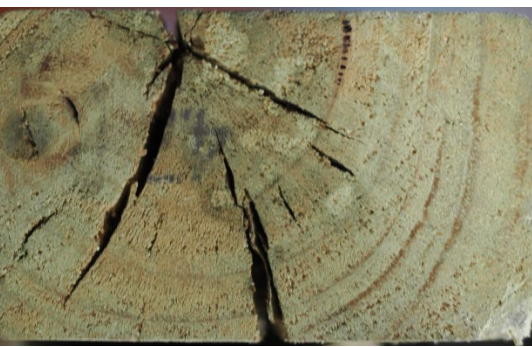


IronAsh 105 x 19 secret fix shiplap profile, with two coats of Intergrain Ultra Clear – Satin Finish. Full thickness gum pockets, gum vein, pin hole, hobnail, grain orientation, splits and spring tear present are all examples of grade expectations.

Grading characteristics

| Visual guide | Characteristic | Classic Grade Rules |
|---|---------------------|---|
|  | Gum vein – tight | Unlimited |
|  | Gum vein – loose | Width not exceeding 3mm. Agg length not exceeding $\frac{1}{4}$ length of board. |
|  | Gum pocket | Allowed on one surface, up to 25mm wide. Not greater than 3x width or 300mm. |
|  | Knots/burls - sound | Not exceeding $\frac{1}{3}$ of the surface. |

| | | |
|---|--------------------------------|--|
|  | <p>Knots/burls - loose</p> | <p>Not exceeding 1/3 of the surface.</p> |
|  | <p>Pinholes</p> | <p>Up to 3mm diameter – unlimited. Greater than 3mm diameter – not exceeding 1/3 of the surface.</p> |
|  | <p>End split</p> | <p>Agg length from both ends not to exceed the lesser of 1.5x width or 150mm.</p> |
|  | <p>Surface checks</p> | <p>Unlimited. Up to 4mm wide. Not greater than 1/2 length of board.</p> |

| | | |
|---|-----------------|--|
|  | Internal checks | Unlimited |
|  | Hit and miss | Depth not exceeding 3mm. Individual length not exceeding 600mm. |
|  | Shakes | Not allowed |
|  | Heartwood | Not allowed |

Notes:

- Allow 5% leniency for human error.
- An extra allowance for waste is recommended when calculating requirements for occasional splits and full-thickness characteristics.