

HURFORD'S

Shou Sugi Ban

REFINED ARCHITECTURAL CLADDING

烧杉板





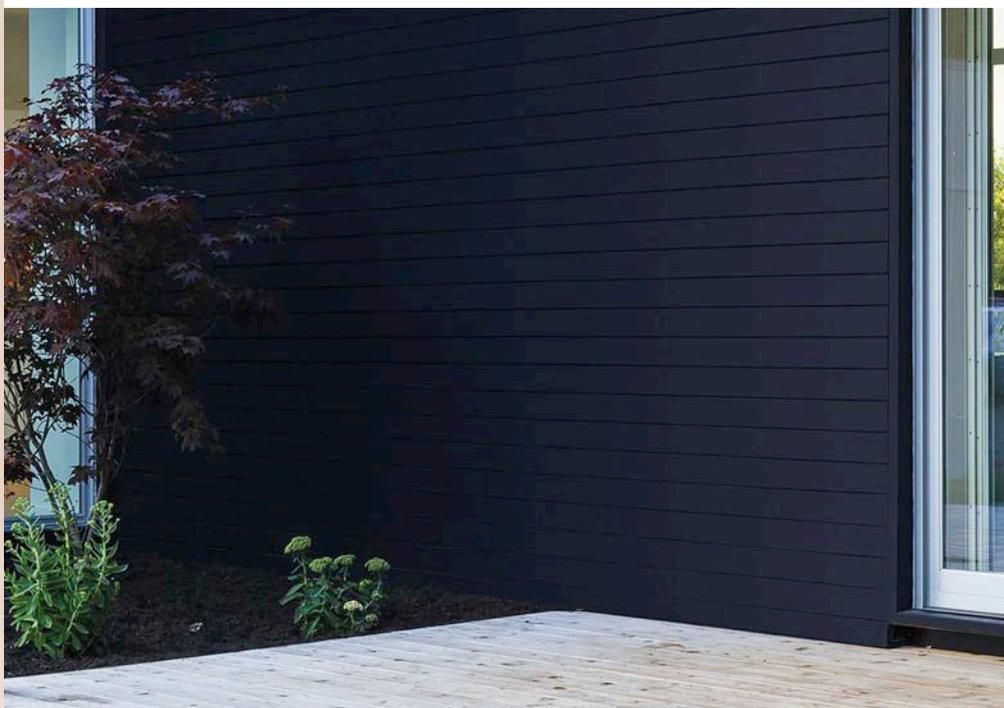
A complete system.

Hurford's Shou Sugi Ban Refined Architectural Cladding combines the ancient Japanese craft of fire treatment with a precision milled, architectonic cladding profile. It is a complete solution for any exterior wall, offering not just the cladding but a selection of customised trims to ensure a streamline execution and watertight result.

The timber species selected to manufacture Hurford's Shou Sugi Ban is ethically sourced and processed by Hurford's locally owned and operated facility in Queensland, Australia. Favourably sort after for its natural qualities and unique appearance, *Callitris glaucophylla* is highly durable and a naturally termite resistant species. Applying the fire treatment forces an additional barrier of protection against insect attack and decay, furthermore increasing the species overall durability.

Hurford's uses a modernised Shou Sugi Ban technique, the process evenly chars the face of the board before it is cooled and finished to Hurford's 'Straight Charred' effect.

Hurford's Shou Sugi Ban Refined Architectural Cladding, is an aesthetically pleasing yet durable façade option.



Achieve great design without great effort by integrating our charred timber cladding into your next designs façade.

Why choose Hurford's Shou Sugi Ban Refined Architectural Cladding?

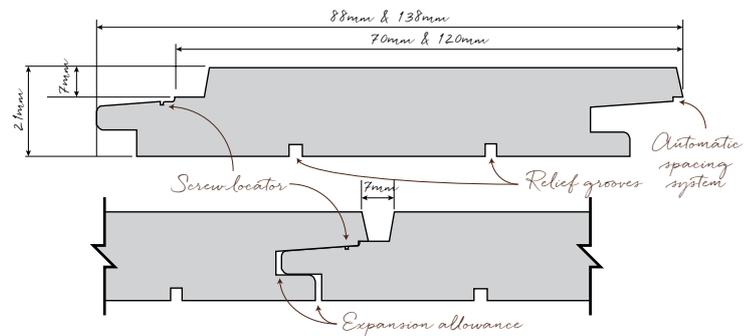
Hurford's are one of the oldest companies in the Australian timber manufacturing business. Our love and expertise for drying and manufacturing timber products along with our heed for innovation in our industry subsequently fuels our drive to produce quality timber products, and in this case, a quality timber system.

Hurford's Shou Sugi Ban Refined Architectural Cladding is a complete solution for any wall, offering not just a precision milled piece of charred timber cladding but also the detailed trims to ensure a streamline finish and watertight result.

Profile Design Coulee

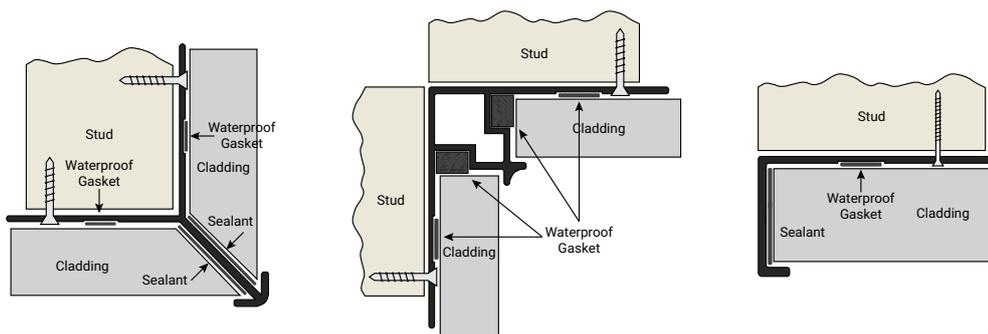
Collective features include:

- Relief grooves which are designed to take the stress out of the cladding, reducing the effect of warping and cupping.
- A specially designed 'ridge locator' connects with the overlap line providing an effortless straight-line finish, simultaneously controlling the expansion allowance for any timber movement.
- Screw location line indicates exactly where to fix the cladding board, allowing the next row to slide over the existing board and create a secret fix finish.



Trim designs external corner, internal corner, end stop

Hurford's Shou Sugi Ban trims provide a streamline finish and play an integral part in ensuring a water tight finish. All aluminium trims are factory fitted with waterproof gaskets* designed to decrease the on-site sealing process, and reduced the delivery of loose materials.



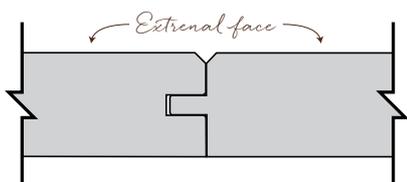
* 9mm x 1.6mm gaskets are factory fitted. Additional foam gaskets, to form second moisture barrier, are available in rolls for on-site installation, or alternative sealant method can be implemented.

Features end matched, moisture barrier system, automatic spacing system.

End Matching

Utilising a specially developed end match system for external use, Hurford's Shou Sugi Ban endmatch profile has a micro bevel edge designed to encourage water to drain away from the join. Applying a bead of sealant to the join at installation stage eliminates moisture transfer and ensures a watertight connection.

End matching the product means the boards can be fixed mid stud, eliminating the need to dock and create volumes of waste, saving up to 10% of the product that previously would have been thrown away. Not only does this save costs, it's a better for our environment with less resource being used.

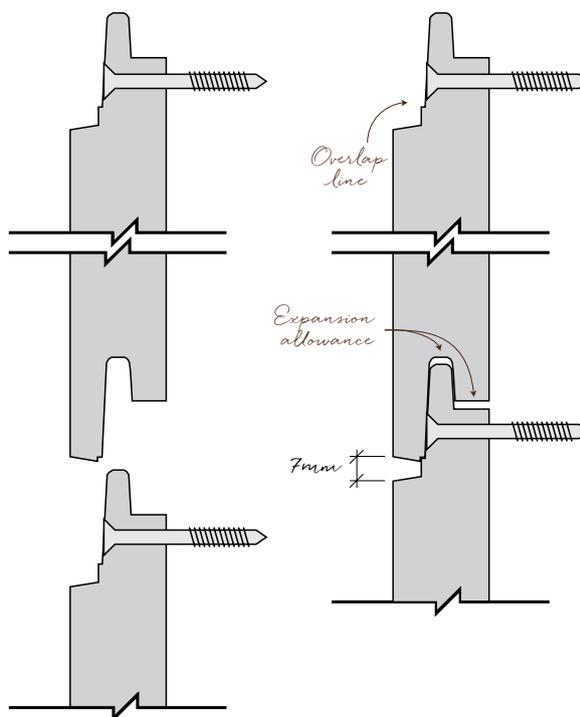


Automatic Spacing System

The Automatic Spacing System allows expansion to be placed between the boards, which is automatic and doesn't require any special tools or spacers to get right. The specially designed ridge locator controls the expansion allowance and in addition helps with concealing the cladding screw if the boards were to lose moisture. The expansion is designed to take out any stress caused if the boards absorb or lose moisture.

Moisture Barrier System

All trims in the Hurford's Shou Sugi Ban Cladding range feature a factory fitted seal, the foam gaskets compress and expand with timber movement, an extra safeguard against the Australian storm season. Factory fitted gaskets eliminate the on-site sealing process, reducing labour costs. The Moisture Barrier System does not eliminate the need for good building practice and meeting the Building Code of Australia.



Shou Sugi Ban. A brief history.

Shou Sugi Ban, also known as Yakisugi, derives from an ancient Japanese exterior cladding treatment used to preserve wood by charring it with fire. The treatment was introduced after Japan fell into short supply of driftwood which was collected from the coastlines for its prized appearance and durability after enduring a natural treatment process of saltwater, surf and sun.

Traditionally the timber used for charring was 'Sugi' wood, *Cryptomeria*, commonly known as Japanese Cedar which was used for residential exterior cladding, fencing and decking applications.

The term Shou Sugi Ban 焼杉板 simply translates to 'burnt cedar board'.



Fire treatment. The technique.

The traditional process involves binding three boards together to form a triangle like chute, with the bottom of the chute packed with paper. When lit, the chute transforms into a fire tunnel burning all inwards facing surfaces. Once evenly burned, the boards are separated and doused with water to stop the charring process.

Chemically, wood is made up of two components – cellulose and lignin. When the wood is burned it changes both the cellular structure and thermodynamic conductivity of the timber. The softer, more reactive, cellulose compounds vaporize while the harder lignin takes a lot longer to burn. This results in the lignin requiring a lot higher heat and exposure to flame for it to ignite again.

Basically, the technique forms a carbon layer on the surface of the timber which provides an insulating barrier that retards further degradation.



Specifications

CLADDING

Profile: Coulee

Width: 88mm (70mm cover) &
138mm (120mm cover)

Thickness: 21mm

Length: Random

Moisture Content: AS1080.1

Fixing: Concealed fixing

Species: Callitris

Joining: End-matched, micro bevel

Finish: Straight Charred

BAL: Standard Production BAL-LOW

*Australian Hardwoods with BAL-29
rating available upon request.

TRIMS

External Corner: Powdercoated Aluminium

Internal Corner: Powdercoated Aluminium

End Stop: Powdercoated Aluminium

Straight Charred Finish

Hurford's 'Straight Charred' process removes the heavily charred top layer to reveal a subtle textured surface that accentuates the blackened grain and features of the timber.



Manufactured By Hurford Wholesale

QLD (07) 3442 6300 | VIC & TAS (03) 8794 3300

NSW & ACT (02) 4646 1406 | SA & NT (08) 8376 6694

WA 0448 132 955

Email: info@hurfordwholesale.com.au

Web: hurfordwholesale.com.au

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