



**YAKISUGI CHARRED FINISH FOR TIMBER CLADDING PRODUCER STATEMENT
For The Blackwood Project Ltd.**

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To Whom it may concern,

For the clarification on your requirements with the Yakisugi charred finish for cladding for this building. The Yakisugi Charring process is a finish that improves the durability and stability of timber cladding. All consent and specification information required pertains to the timber species used and the weatherboard profile. Yakisugi charring is a finish like an oil stain that improves the durability of the timber cladding.

Being a finish, all Installation guides are associated to the timber weatherboard profiles not the Yakisugi finish.

The Blackwood Project uses naturally durable species of timber that are recognised to meet the New Zealand minimum durability standards in their natural state. The Producer Statement from the mill can be supplied for the timber and profile. By applying the Yakisugi charred finish the timber's durability is increased through case hardening the outer layer of cells. The char is 2mm thick on the face of the board only and the weather channel is protected from flame to only have a light 0.5mm char. The timber is then enveloped with factory applied oil stain 4 sides to further improve the durability of the timber. The customer must then apply the final coat once the timber cladding is installed.

Yakisugi has an in-service history in Japan of 400 Years and continues to be commercially produced and used today. In Australia, New Zealand, the US and Europe Yakisugi charring has been commercially available for over 5 years, (as of 2021) and continues to be used today.

Examples of timber in which the heartwood may be used untreated are:

Externally (above ground with a not less than 15-year durability) – totara, heart macrocarpa, redwood, western red cedar, selected eucalypts, kwila, vitex, lawson cypress and Japanese cedar.

Internally – Douglas fir (for framing only in low-risk buildings as defined by Amendment 7 to B2/AS1), European larch, radiata pine (finishing timbers only), rimu, matai."

Redwood is also found in a BRANZ document titled *Timber Treatment in regard to meeting B2 of the building code*.

<https://www.weathertight.org.nz/new-buildings/timber-treatment/#h3-4>

I hope this helps with meeting your requirements to proceed with this project. It may help to also know that Yakisugi charring has been used in New Zealand, Europe, US and Australia for over 5 years and Japan for over 400 Years.

Should you wish to discuss any of the details in this email please do not hesitate to contact me.

John Webster

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