



YAKISUGI CHARRED FINISH FOR TIMBER CLADDING WORKMANSHIP GAURANTEEE

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.

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

Timber Species

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 manufacturer of the timber cladding will provide a Producer Statement and installation guide for the timber and profile. Most commonly we char Dura-Larch, ThermoWood, Lawson, Redwood and Japanese cedar.

Performance of Yakisugi

By applying the Yakisugi charred finish the timber's stability is increased through case hardening the outer layer of cells and the durability is improved from burning off of carbohydrates in the cell structure.

Maintance:

The maintenance cycle is reduced for full charred finishes only. Although this is site dependent the estimated reapplication of oil stain is every 5-7 years for full charred timber and 3-5 years for charred and brushed finishes. Never power wash yakisugi timber cladding only use a soft brush or cloth with soapy warm water to clean surface. Soft dry brushing will remove cobwebs.

Weatherboard Charring standards.

The char is 2-3 mm thick on the face of the board only. The weather channel and lap are protected from flame to only have a light .01 - 0.2mm char. Knots will be charred but some lighter char tones will be visible due to the higher density of knots.

Factory oil coating.

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 post installation coat once the timber cladding is installed.

In service history.

Yakisugi has an in-service history in Japan of 500 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) – Thermally modified timbers, Siberian Larch redwood, lawson cypress and Japanese cedar.

This information will assist with meeting your requirements to proceed with this project.

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

John Webster

Technical Director

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