

8 September 2021

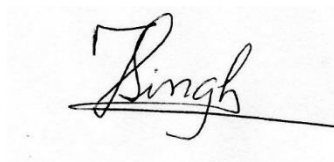
Re: Durability and suitability of Kwila Glulam in internal exposed building situations

Dear Greer Campbell,

Kwila (*Intsia bijuga*) heartwood is rated as durable Class 2 timber species. Stake tests are a standard method for determining a natural durability classification. A testing conducted at Scion on Kwila heartwood at Whakarewarewa test site had an average life exceeding eight years giving them a durability classification of 2. Imported western red cedar (*Thuja plicata*) stakes tested on the same site had a similar durability classification. Hence heartwood of these species can be used indoor or outdoor above ground situations. The sapwood is not durable and should not be included without preservative protection. One other thing to be aware about Kwila is staining of the surrounding material particularly if used outside. It has water soluble extractives in the vessels which leach out and stain things with concentrated brown colour.

Provided Glulam is produced in accordance with AS/NZS standards using only heartwood of Kwila, it should easily meet the durability requirements for indoor building situations.

Yours sincerely,



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