

1<sup>st</sup> June 2011

Daan Olthuis  
General Manager  
Tunncliffe Timber Company Ltd  
P O Box 54  
EDGE CUMBE

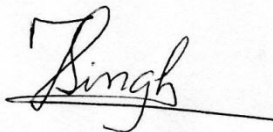
Dear Daan

### **Thermo Wood Durability**

As requested, the results of durability tests for thermally modified wood (ThermoWood-230) have been reviewed after seven years testing at our Whakarewewa test site. These have been compared with naturally durable species available at Scion and light organic solvent preservative (LOSP) H3.1 treated radiata pine, currently included in NZS 3602:2003 “Timber and Wood-based Products for Use in Building”, section 111 “Requirements for wood-based building components with a 15-year durability”.

In above-ground tests ThermoWood-230 is slightly more durable than H3.1 treated radiata pine and macrocarpa (*Cupressus macrocarpa*) heartwood. These are both included in Table 2A sections 2A1-2A3 for weatherboards, fascia, barge and coverboards, plus 2A5-6 for exterior joinery and timber reveals for aluminium windows. Therefore ThermoWood-230 should be an acceptable substitute in low-moderate decay hazard situations for those species listed in NZS 3602:2003, Table 2, sections 2A1-3, 2A5 and 2A6.

Yours Sincerely,



Dr. Tripti Singh  
Project Leader (Bioactives & Wood Preservation)  
Scion  
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