

## RESEARCH:

### SUPPORTING THE NATURAL DURABILITY OF UNTREATED DOUGLAS FIR



RESEARCH TO SUPPORT **ALTERNATIVE SOLUTIONS** FOR MEDIUM & HIGH RISK BUILDINGS & COMMERCIAL BUILDINGS IN COMPLIANCE WITH NZS 3602:2003, SPECIFICALLY LOW RISK APPLICATIONS (INTERNAL WALL FRAMING AND ROOF FRAMING GREATER THAN 10 DEGREES)

Please request a copy of our RESEARCH SYNOPSIS via email from [info@waimeawood.co.nz](mailto:info@waimeawood.co.nz)  
Reports included are:

- 1. Comparative moisture uptake of New Zealand grown Douglas-fir and Radiata pine structural timber when exposed to rain-wetting**  
*Prepared for Douglas-fir Research Cooperative: Report 36*  
*Mick Hedley, Gavin Durbin, Lars Hansen and Leith Knowles – Forest Research, Rotorua, New Zealand*
- 2. A comparison of rates of decay and loss in stiffness of Radiata pine and Douglas fir framing lumber**  
*The International Research Group on Wood Preservation – Section Two, Test Methodology and Assessment*  
*Mick Hedley, Dave Page and Jackie van der Waals, Scion Wood Processing*
- 3. The decay resistance of Douglas fir, Macrocarpa, Lawson cypress and European larch Framing: Summary of results after 157 weeks exposure**  
*Ensis – Wood Processing, Rotorua, New Zealand*  
*Dave Page, Mick Hedley and Jackie van der Waals*
- 4. Durability of Douglas fir sapwood and heartwood compared to untreated and treated Radiata pine**  
*Research Review: FP Innovations, FORINTEK*  
*Paul I Morris, Group Leader, Durability & Protection*  
*(FP Innovations brings together Forest Operations, Wood Products, Pulp & Paper, and the Canadian Wood Fibre Centre of Natural Resources Canada, as the world's largest private, not-for-profit Forest Research Institute)*