

# INFORMATION SHEET

## STRUCTURAL MATERIALS



### PANEL PRODUCTS

The information provided below has been taken from the New Zealand Timber Design Guide 2007, published by the Timber Industry Federation and edited by Professor A H Buchanan. To purchase a copy of the Timber Design Guide, visit [www.nztif.co.nz](http://www.nztif.co.nz)

**Table 1: Moisture content and movement properties of some panel products**

Product	Likely moisture content ex factory	E.m.c.: Very dry conditions (50% relative humidity, 20-C)	E.m.c.: Very humid conditions (90% relative humidity, 20-C)	Linear expansion coefficient /mm/% m.c.	Thickness swelling /mm/% m.c.
Particle board	6-14	10	17	0.0003	0.002-0.004
MDF		7	12	0.0005	0.01
Hardboard		6	12	0.0003	