

# Termite Resistance

## Summary Report

### SECTION 1: Company Identification

**MANUFACTURER:**  
Maica Laminates Sdn Bhd  
5100, Lorong Mak Mandin 5  
Mak Mandin Industrial Estate  
13400 Butterworth, Penang, Malaysia.

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### SECTION 2: Test Scope and Objective

**Report on maiCompact's Termite Resistance Durability Compared to Other Wood-Based Materials**

#### Test Scope and Objective:

The Forest Research Institute Malaysia (FRIM) evaluated maiCompact's resistance against termite attack compared to other wood-based materials (rubberwood, pinewood and particle board).

Two test methods were used:

1. Controlled laboratory environment (test standard ASTM D3345-08)
2. Field test (FRIM Working Procedure PK A1 test)

### SECTION 3: Conclusion

Laboratory test results of maiCompact showed 0.10% weight loss compared to other tested wood-based sample materials with a variance of 2.33% to 12.98%.

Field test data results for maiCompact is 0.84% compared to other wood-based sample materials with a variance of 1.13% to 25.8%.

maiCompact proved to be the most resistant (in both laboratory and field test environment) against termite attack compared to the other tested wood-based materials, followed by pinewood, rubberwood and particle board.

### SECTION 4: FRIM Result

#### WEIGHT LOSS (%)

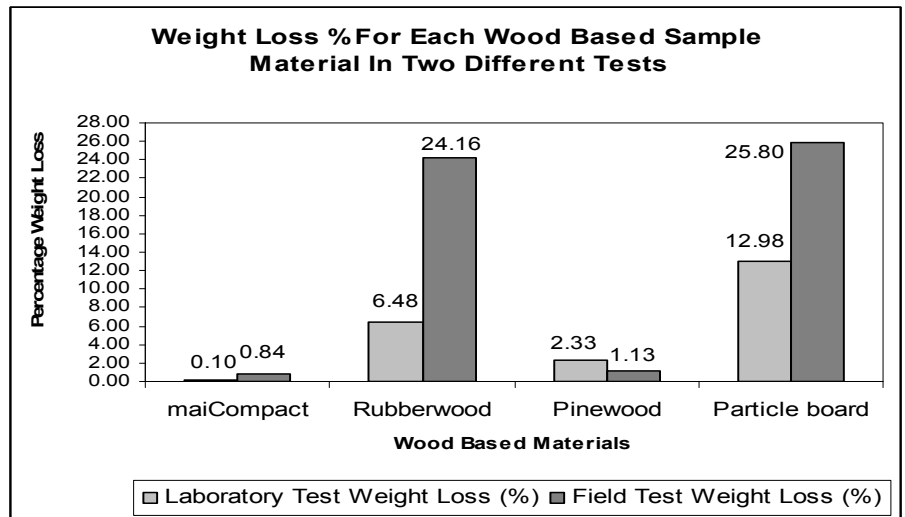
Sample material	Weight loss (%)	
	Laboratory test	Field test
maiCompact	0.10	0.84
Rubberwood	6.48	24.16
Pinewood	2.33	1.13
Particle board	12.98	25.80

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### SECTION 4: FRIM Result (continued)

#### WEIGHT LOSS (%)



#### Subterranean termites (*Coptotermes gestroi*)

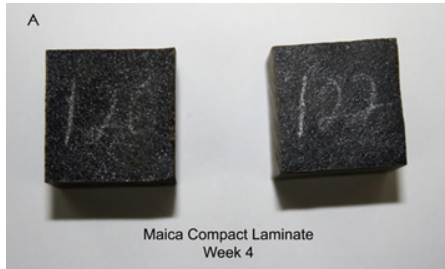


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### SECTION 5: FRIM Result (Continued)

#### VISUAL RATING : LABORATORY TEST SAMPLES



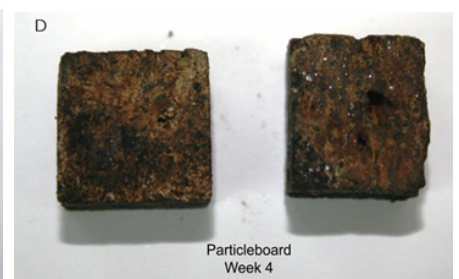
**Average visual rating = 10**



**Average visual rating = 7**



**Average visual rating = 7**



**Average visual rating = 7**

#### Standard of Visual Rating

These qualitative criteria will be evaluated based on visual inspection as stated in ASTM D3345-74 (Reapproved 1999) as below:

Rating	Description
10	Sound, surface nibbles permitted
9	Light attack
7	Moderate attack, penetration
4	Heavy
0	Failure

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### SECTION 5: FRIM Result (Continued)

#### VISUAL RATING : FIELD TEST SAMPLES



**Average visual rating = 0**



**Average visual rating = 2**



**Average visual rating = 0**



**Average visual rating = 2**

#### Standard of Visual Rating

These qualitative criteria will be evaluated based on visual inspection as stated in FRIM Working Procedure (PK) A1 as below:

Rating	Description
0	Sound
1	Trace attack
2	Slight attack
3	Moderate attack, penetration
4	Severe attack
5	Failure by termite attack

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