

## TEST REPORT: 7191034932-CHM12-LYP

Date: 04 JUL 2012

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### **SUBJECT**

Fungus Resistance Test

### **CLIENT**

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

Attn : Mr Kow Cheng Fung

### **SAMPLE SUBMISSION DATE / TEST DATE**

01 Jun 2012 / 04 Jun 2012



PSB Singapore

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**Choose certainty.  
Add value.**

## **DESCRIPTION OF SAMPLE**

1 sample of “maiLaminate/maiCompact”.

Quantity: 10 pcs

Thickness: 0.7 mm



TÜV SÜD PSB

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**METHOD OF TEST**

ASTM Designation : G21-09

'Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi'.

1. The test fungi used were :

*Aspergillus niger* (ATCC 9642)  
*Penicillium pinophilum* (ATCC 11797)  
*Chaetomium globosum* (ATCC 6205)  
*Gliocladium virens* (ATCC 9645)  
*Aureobasidium pullulans* (ATCC 15233)

2. Six test specimens (50mm by 50mm) were prepared for the tests.

3. Viability controls were prepared using two pieces of sterilized filter paper (25mm by 25mm) on solidified nutrient-salts agar in separate petri dishes inoculated with the test fungi.

4. Incubation condition : 30°C for 28 days at 90% relative humidity.

5. The test of fungi was performed in triplicate for each specimen.

5. The extent of fungal growth on the incubated test specimens were rated in accordance to the test method as follows :

Observed growth on specimens	Rating
None	0
Traces of growth (less than 10%)	1
Light growth (10 - 30%)	2
Moderate growth (30 - 60%)	3
Heavy growth (60% to complete coverage)	4

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**RESULTS**

Inoculated test-specimens	Rating of fungal growth on test-specimens at the end of incubation period
<b>maiLaminate/maiCompact</b>	
# 1	0 (None)
# 2	0 (None)
# 3	0 (None)
<u>Viability controls</u>	
# 1	4
# 2	4
# 3	4

Remarks :


The results showed that the sample tested, “maiLaminate/maiCompact” was resistant to the test fungi used.

The above test results related to the samples as received.



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**MS AW HWEE YING**  
TECHNICAL EXECUTIVE



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**MRS KAM-LEONG YIN PHENG**  
PRODUCT MANAGER  
MICROBIOLOGY  
CHEMICAL & MATERIALS

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