

# Antibacterial Report

## Report on mailaminate / maiCompact for Antibacterial Test

### SECTION 1: Product and Company Identification

**MANUFACTURER:**  
Maica Laminates Sdn Bhd  
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**PRODUCT DESCRIPTION:**

In a world where hygiene is of significant importance, there is a great demand for hygiene-sensitive products and applications, especially for the health care sector. Maica fulfills this demand by providing you an antibacterial surface solution, which combines with high quality decorative surface materials of our mailaminate (High Pressure Laminate) and maiCompact (Compact laminate) panels.

### SECTION 2: Antibacterial Agent

**HOW DOES ANTIBACTERIAL WORK?**

- The active agent is dissolved in the melamine resin and will release its effectiveness in the event of a direct contact with the surface.
- When bacteria come into contact with the surface, the additive will damage their cells in a number of ways. This will prevent further growth of the bacteria and the bacteria will die out.

### SECTION 3: Test Method

Antibacterial performance is tested according to the JIS Z 2801:2000 (Antimicrobial products – Test for antimicrobial activity and efficacy) by PSB Singapore.

### SECTION 4: Result

Results show that mailaminate / maiCompact reduces the level of bacterial growth on the surface up to 99%, thus providing a hygienic solution for your applications.

Bacteria	Value of Antimicrobial Activity (Criteria: Not Less Than 2.0)
Escherichia coli	More than 6.2
Methicillin-resistant Staphylococcus aureus (MRSA)	More than 4.1
Pseudomonas aeruginosa	More than 6.1
Staphylococcus aureus	More than 5.6
Salmonella choleraesuis	More than 5.5

