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Independent Testing and Consulting Laboratory Serving the Coatings, Sealant,  
Waterproofing and Building Materials Industries Since 1932

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Tagawa Sangyo Company, Ltd.  
1924 Yugeta, Tagawa-shi, Fukuoka-ken,  
826-0041 Japan

Attn: **Mr. Nobuyoshi Yukihiro**

**Re: DL-16216R**

### **OBJECTIVE**

To determine the fungus resistance of test panels coated with a lime plaster coating material.

### **PRODUCT TESTED**

The test panels were coated with a pre-mixed lime plaster material identified as:

***Shikkui Sora (Shikkui Plaster)***

### **PROCEDURES**

The fungus resistance of the lime plaster coated test panels was determined in accordance with procedures outlined in:

ASTM D 3273 Standard Test Method for Resistance to Growth of Mold on the Surface  
of Interior Coatings in an Environmental Chamber

ASTM D 3274 Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films  
by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation

The ***Shikkui Sora (Shikkui Plaster)*** coated test panels were exposed in the ASTM D 3273 environmental chamber to a mixed fungal spore environment consisting of *Aspergillus niger*, *Aureobasidium pullulans* and *Penicillium*. The coated test panels were exposed for 28 days in the chamber at 88-92°F (31-33°C) and 95% R.H. The front and the back of the exposed test specimens were evaluated on a weekly basis in accordance with ASTM D 3274. The fungus resistance ratings range from 10 for no fungal growth to 0 for complete coverage of the surface area by fungi.

### **TEST RESULTS**

The ***Shikkui Sora (Shikkui Plaster)*** coated test panels did not exhibit any fungal growth on the face or back of the test panels after 28-days of exposure (ASTM Rating 10) while an uncoated pine wood control panel exhibited considerable fungal growth (ASTM Rating 2).

**DL Labs, Inc.**

A handwritten signature in black ink, appearing to read 'Mario Lazaro, Jr.', is written over a white background.

Mario Lazaro, Jr.  
Assistant Technical Director