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Fiberlock
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Att: **Mr. Andre Weker**
Technical Sales Manager

DL-12994 - R
Via FAX (976) 475-6205

OBJECTIVE

To evaluate a coating sample for resistance to mold and fungal growth.

PRODUCT TESTED

The coating sample was submitted by Fiberlock and identified as:

383.81A, Fiberlock I-A-Q 6000™

PROCEDURES

The coating's resistance to mold and fungal growth was evaluated in accordance with the following ASTM test methods and procedures

1. **ASTM G 21**, "Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi".

The coating was cast to produce a free film, then allowed to cure seven days before subjecting to the effects of a mixed spore suspension for 21 days.

2. **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 P Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".

Two coats of the coating was applied to pine wood and allowed to dry seven days before subjecting the coating to the effects of the mildew chamber for 28 days.



TEST RESULTS

The submitted sample of 383.81A, Fiberlock I-A-Q 6000™ exhibited the following result:

Fungus Resistance		
ASTM G 21	No Growth	0 Rating
ASTM D 3273/3274	No Growth	10 rating

NOTE:

ASTM G-21 Observation of Visible Effects

<u>Observed Growth on Specimens</u>	<u>Rating</u>
None	0
Trace of growth (<10%)	1
Light growth (10 – 30%)	2
Medium growth (30 – 60%)	3
Heavy growth (60 – 100%)	4

ASTM D 3274 Photographic Reference Standards

<u>Disfigurement by Particulate Matter</u>	<u>Rating</u>
No disfigurement	10
Slight disfigurement	8
Moderate disfigurement	6
Considerable disfigurement	4
Complete disfigurement	0

DL Labs, Inc.

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cc: T. J. Sliva