

CLIENT: **Marlite**
1 Marlite Drive
Dover, OH 44622

Test Report No: TJ5013-2

Date: October 13, 2017

SAMPLE ID: **Sample Identified as: Marlite Artizan Envue FRP Panels**

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI Tulsa on August 31, 2017

TESTING PERIOD: September 12 – October 10, 2017

AUTHORIZATION: Testing was authorized by proposal 17FB07141 signed by Megan Bourquin on August 28, 2017. PO# P848503

TEST PROCEDURE: ASTM D3273-16, Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.

TEST RESULTS: Detailed test results are presented in the subsequent pages of this report.

Prepared By



Rocky Hale
Material Test Technician

Signed for and on behalf of
QAI Laboratories, Inc.

Joe
Cavett

Project Manager

Digitally signed by
Joe Cavett
Date: 2017.10.17
10:10:22 -05'00'

Test Procedure and Results

TEST DATA:

The samples were tested as per ASTM D3273-16, and evaluated in accordance with ASTM D3273-16 section 7.3.

Upon commencement of testing, samples were placed in an environmental chamber designed and built to comply with the requirements of ASTM D3273-16, section 4. The samples were maintained in the chamber over a period of 4 weeks with constant monitoring of temperature and humidity, as is required.

The chamber was maintained at 95% to 98% relative humidity and a temperature of 32.5±1°C (90±2°F). The room the chamber is kept in was monitored to control to 21 to 24°C (70 to 75°F), to ensure heat loss from the cabinet is insignificant and that the relative humidity is readily obtained at the specified test temperature. The samples were evaluated once per week, for a total of 4 weeks, for indication of disfigurement by algal or fungal growth.

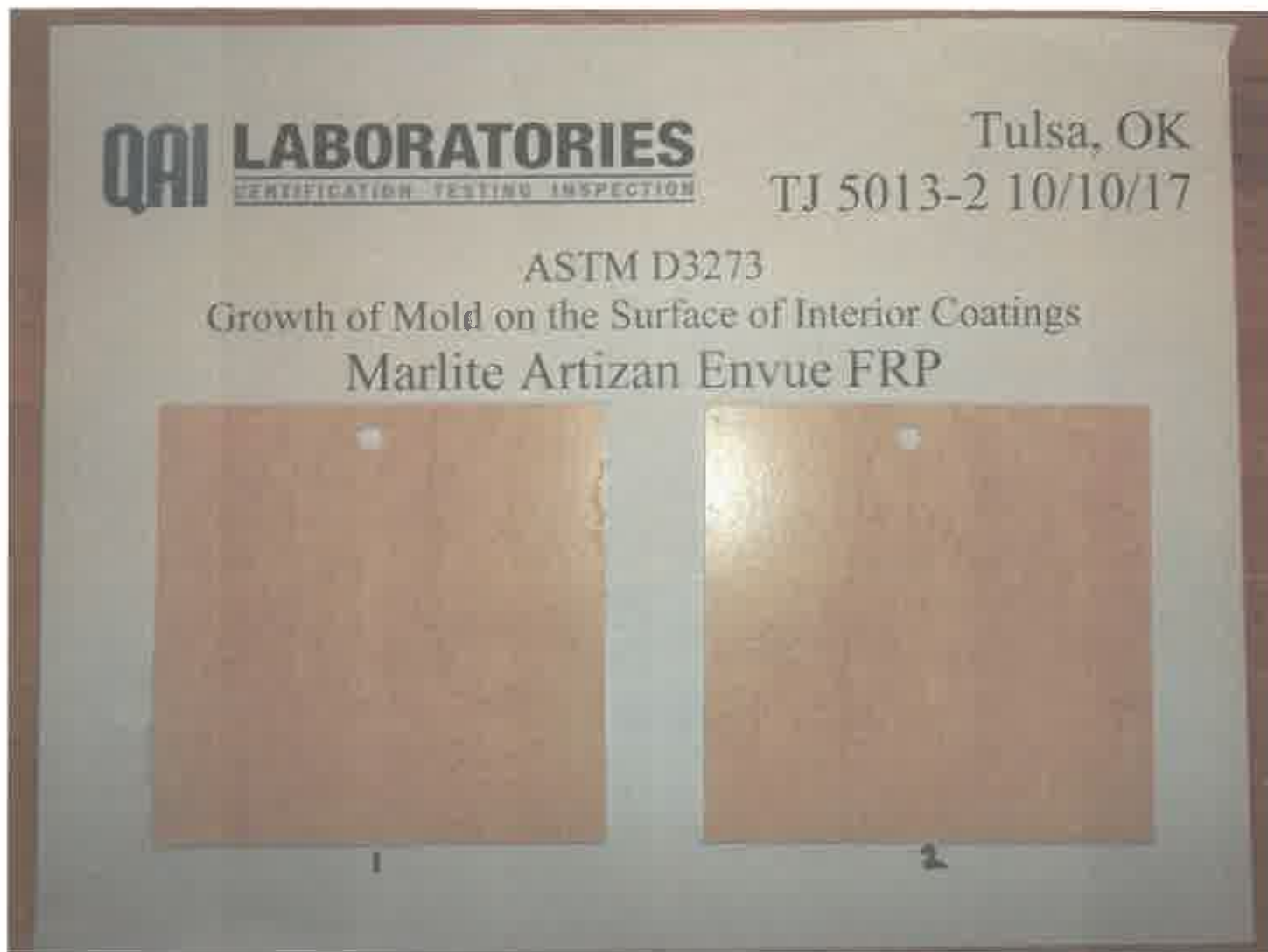
The evaluation is based upon ASTM D3273-16 section 7.3, which provides photographic comparison to known disfigurement standards. The samples are compared to the photographic standards for application of a disfigurement rating. The photographic standards provide for a rating from 0 to 10. A rating of 10 would indicate a total absence of disfigurement by particulate matter.

Sample evaluations are reported in Table 1; photographic evidence appears in Figures 1 and 2.

Table 1-Sample Results

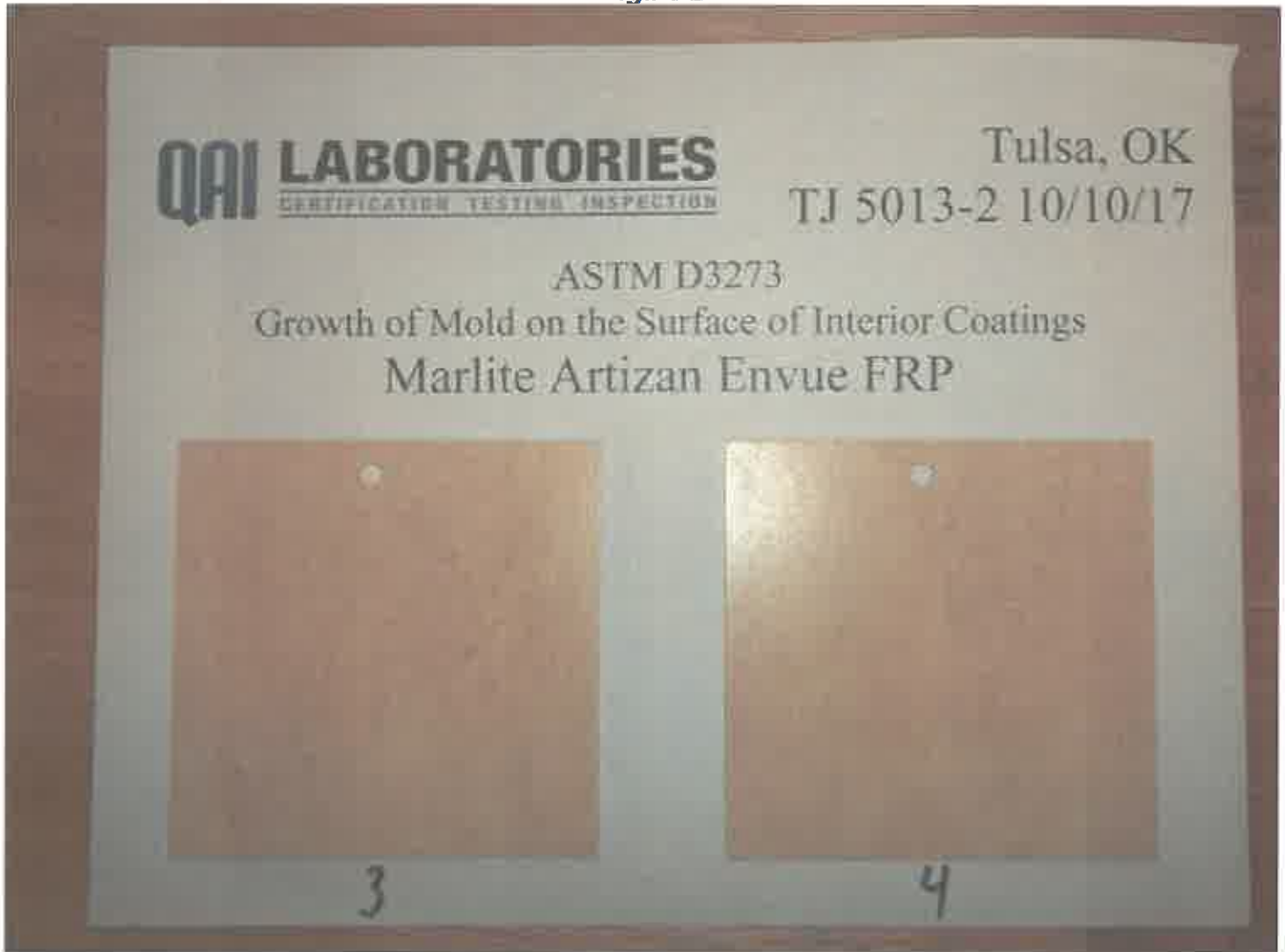
FRONT SIDE				
Rating				
	1	2	3	4
Date				
9/19/17	10	10	10	10
9/26/17	10	10	10	10
10/3/17	10	10	10	10
10/10/17	10	10	10	10

Figure 1



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Figure 2



***** END OF TEST REPORT *****