DEMILEC (USA) LLC.

FORTICEL™

25 YEAR WARRANTY

Mold Prevention

Professionally Applied, Safe & Effective

Technical Report

ASTM D3273-94 EVALUATION OF
FORTICEL MOLD PREVENTION COATING

Test Purpose

The purpose of the reported data in this bulletin is to evaluate the efficacy of FortiCel™, a product of Protective Coatings Group, LLC, designed to prevent the promotion of mold growth on construction products including wood, and concrete using ASTM D3273-94. Material samples were collected and treated with FortiCel™ according to the manufacturer's recommended application rate and then subjected to the testing criteria defined in the appropriate ASTM specification.

Test Overview

Pieces of CDX Plywood and Dimensional Lumber were cut from normal stock and prepared in a manner consistent with building materials. Each sample was prepared and coated on all sides with the FortiCel™ coating at a rate recommended by the manufacturer and applied using an ALLPRO 300T HVLP sprayer. The treated samples were then tested according to ASTM D3273, a standard test method for resistance to growth of mold on interior coatings in an environmental chamber. The tests were conducted by EMSL Analytical, Inc. in a controlled test chamber with a temperature of 32.5 +/- 1°C and a humidity of 95% to 98% containing soil inoculated with Aureobasidium pullulans ATCC 9348, Aspergillus niger ATCC 6275 and Penicillium citrinum ATCC 9849.

Results

After a 4-week incubation period the samples were examined for visible effects of mold growth according to ASTM D-3274 which uses photographic reference standards that provides a numerical rating system from 0 to 10, with 10 indicating a sample totally absent of mold. A rating of 8 indicates a slight amount of growth (less than 10%), 5 indicates moderate growth (30-50%), 3 indicates heavy growth, and a zero rating indicates full coverage of mold growth (greater than 90%).

Results for the evaluation of the submitted samples are shown in the following table:

Sample Label	Results	Scale Rating
FortiCel™	Totally absent of mold	10
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Conclusion

These results demonstrate that in a standardized test method, as described in the specification of ASTM D3273, FortiCel™ retains its effectiveness in preventing mold growth on treated lumber.