

Technical Bulletin

FIELD TEST ON FORTICEL TREATED
FLORIDA HOME

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Background

Periodic samples are collected from field applied structures which have been treated with the FortiCel™ coating. These collections of samples are part of an ongoing quality assurance program set forth by Protective Coatings Group and include randomly collected data from field applications. The data is then sent to an independent laboratory for analysis and the results are then recorded.

Initial Investigation

Upon arrival at the subject home in Palm Coast, FL, the property was inspected and noted that assorted wood building materials were found to have areas of visible contamination common to everyday lumber, OSB and furring strips. The home is an approximately 3000 sq. ft. home, concrete block constructed with lumber interior support beams and dividers, wooden trusses and furring strips on exterior walls. In all respects it was comparable to other homes in Florida and in particular the Daytona Coastal Region.

Field Evaluation

The entire interior of the home, dimensional lumber, plywood, OSB, trusses and associated materials were sprayed with FortiCel™ using an ALLPRO 300T HVLP gun with stainless steel container and a Fine Finish Tip. The coating was applied in a non-diluted state according to the manufacturer's instructions and allowed to dry. Initial application began under the second floor stairs at 9:25am and that section was dry within 15 minutes.

Before application, MEA Agar Plates were placed against several areas in the home, areas that had visible mold growth and areas that did not. These samples were then sent to an independent lab for testing. After drying MEA Agar Plates were also placed against the now treated areas to determine mold counts after treatment with FortiCel™. Again these samples were sent for evaluation.

The results of these tests are shown in the following table and photographically below:

Sample Label	Results (mg/L/day)
FortiCel™ on Area 1	1
FortiCel™ on Area 2	1
Control Area 1	136
Control Area 2	52

Area 1 - refers to an area under the stairs in the main living room with visible mold on the wood

Area 2 - refers to an interior 2 x 4 in the dividing wall between Living Room and Kitchen which had no visible contamination.