

MOLD RESISTANCE

ASTM D3273 | ASTM D3274 TEST RESULTS

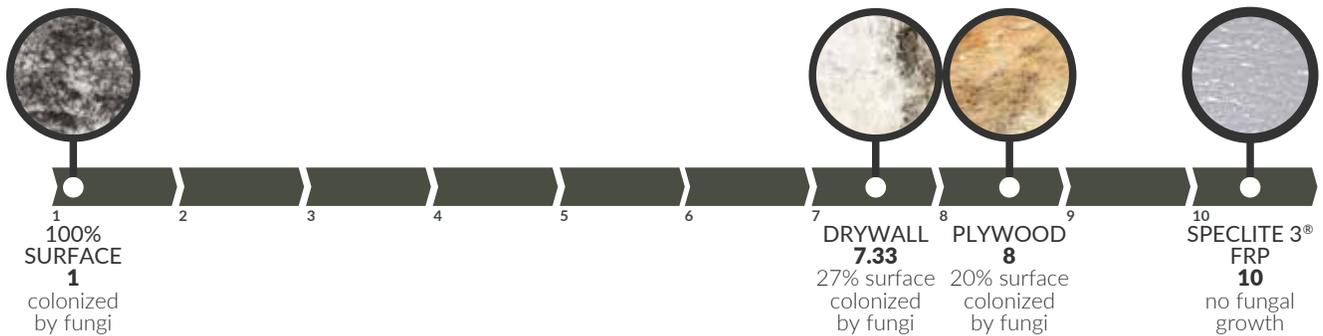
PER ASTM D3273 & ASTM D3274: FRP DOES NOT SUPPORT MOLD OR MILDEW
 The entire panel is resistant to mold, mildew, and bacteria growth.



DRYWALL

PLYWOOD

FRP



ASTM D3273 AND ASTM D3274 TEST PROTOCOL:

Tests were conducted by an outside lab service. Over thirty different samples were observed over a four-week test period. Each test sample was placed in a separate plastic container. Eleven to fifteen days before each sample was placed in its container, good quality, greenhouse-grade, damp potting soil, which contained 25% peat moss and pH ranges from 5.5 to 7.6, was added. After the soil and water sat for 24 hours, the fungi culture was added. The three cultures used in the lab tests were *Aureobasidium Pullulans*, *Aspergillus Niger*, and *Penicillium*. The containers were stored in an environment that maintained a relative humidity of 95%-98% and a temperature range of 88°F-92°F, in order for the test samples to develop rapidly. After the test samples were added, they were monitored on a weekly basis and rated for fungal growth. The ratings ranged from 0 to 10, where 0 was 100% colonized by fungi and 10 was no fungal growth.

ASTM D3273 AND ASTM D3274 TEST RESULTS:

Tests showed that FRP had no fungal growth with a perfect rating of ten for the front and backside of the surface. Other products tested were drywall and plywood. Drywall received an average rating of 7.33, meaning 27% of the surface was colonized by fungi. Fungi became visible during the second week of testing. During the plywood test, fungi appeared visible during the third week of testing. It received an average rating of 8 meaning 20% of the surface was colonized by fungi.



Technical Data provided by CRANE COMPOSITES. Special-Lite is proud to partner with Crane Composites who engineered SpecLite3® FRP - a proprietary product also referred to as Glasbord with Surfaseal.
cranecomposites.com

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