



## TECHNICAL SERVICE REPORT SHIELDALL 1200



### Description

Determine the effect of sanitizers on the fungal resistance of ShieldAll 1200

### ASTM D 5590 Test Method

Note: ASTM D 5590 is a severe test with the test samples placed directly onto a nutritive agar food source, and kept at 28C under 85-90%RH. The total surface of the sample and agar is inoculated with fungi spores of *Aspergillus niger*, *Penicillium funiculosum*, and *Aureobasidium pullulans*. A rating of zero means no growth, 1 means trace growth of up to 10% surface coverage, 2 means light growth of 10-30%, 3 means moderate growth of 30-60%, and a 4 rating means over 60% to heavy growth over the surface.

### Test Results

Coverage Rate	Rating	Zone of Inhibition
A. ShieldAll 1200 applied onto pine wood 500 ft <sup>2</sup> /gallon	0, 0	0, 25 mm
B. ShieldAll 1200 applied onto pine wood and exposed to 3 days immersion in sanitizing solutions at recommended concentration.		
1. FMC VigorOx, 0.33% wt. 2.8pH 400 ft <sup>2</sup> /gallon	0, 0	0, 25mm
2. EcoLab Vortexx, 0.11% wt. 2.5pH 400 ft <sup>2</sup> /gallon	0, 0	0, 25mm
3. EcoLab Lift II, 2.5% wt. 10.8pH 400 ft <sup>2</sup> /gallon	0, 0	0, 23mm

### Conclusion

The tested sanitizers did not negatively affect the fungal resistance of the ShieldAll 1200 when exposed to continuous immersion for three (3) days at recommended application concentrations. Therefore the ShieldAll 1200 can be expected to show continuous resistance to fungal growth on its surface in areas that require regular sanitization.

Reported by  
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