



ShieldAll 1020

Resistance to Fungus and Mold Growth



ASTM D 3273 Test Results

Note: ASTM D 3273 is run for 28 days minimum in a controlled chamber with the test samples suspended vertically 3 inches over the inoculated soil containing a fungi mixture of *Aspergillus niger*, *Penicillium funiculosum*, and *Aureobasidium pullulans*. A rating of 10 means zero growth on the sample, 9 of up to 10%, 8 at up to 20%, and so on to a zero rating at 100 % heavy growth over the entire surface. The criteria for adequate resistance to fungal growth is a rating of "7" or greater.

| Coverage Rate | Rating |
|---|----------|
| Applied to the surface of gypsum wallboard facing | |
| 1. 800-1000 square feet/gallon | All 10's |
| 2. Control, untreated wallboard | 0, 0, 3 |

ASTM D 5590 Test Results

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% of the surface covered, 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.

| Coverage Rate | Rating | Zone of Inhibition |
|---|----------|--------------------|
| TSR #20061130-001 | | |
| Applied onto the surface of pine wood | | |
| 1. 1000 square feet/gallon | 0, 0 | 21 mm |
| 2. Control, untreated pine wood | 4, 4 | none |
| Applied onto the surface of gypsum wallboard facing | | |
| 1. 1000 square feet/gallon | 0, 0 | 7-22 mm |
| 2. Control, untreated wallboard facing | 4.0, 2.5 | none |

Reported by:
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