

SHIELDALL 1020

Resistance to Fungus and Mold Growth

ASTM D 3273 Test Results

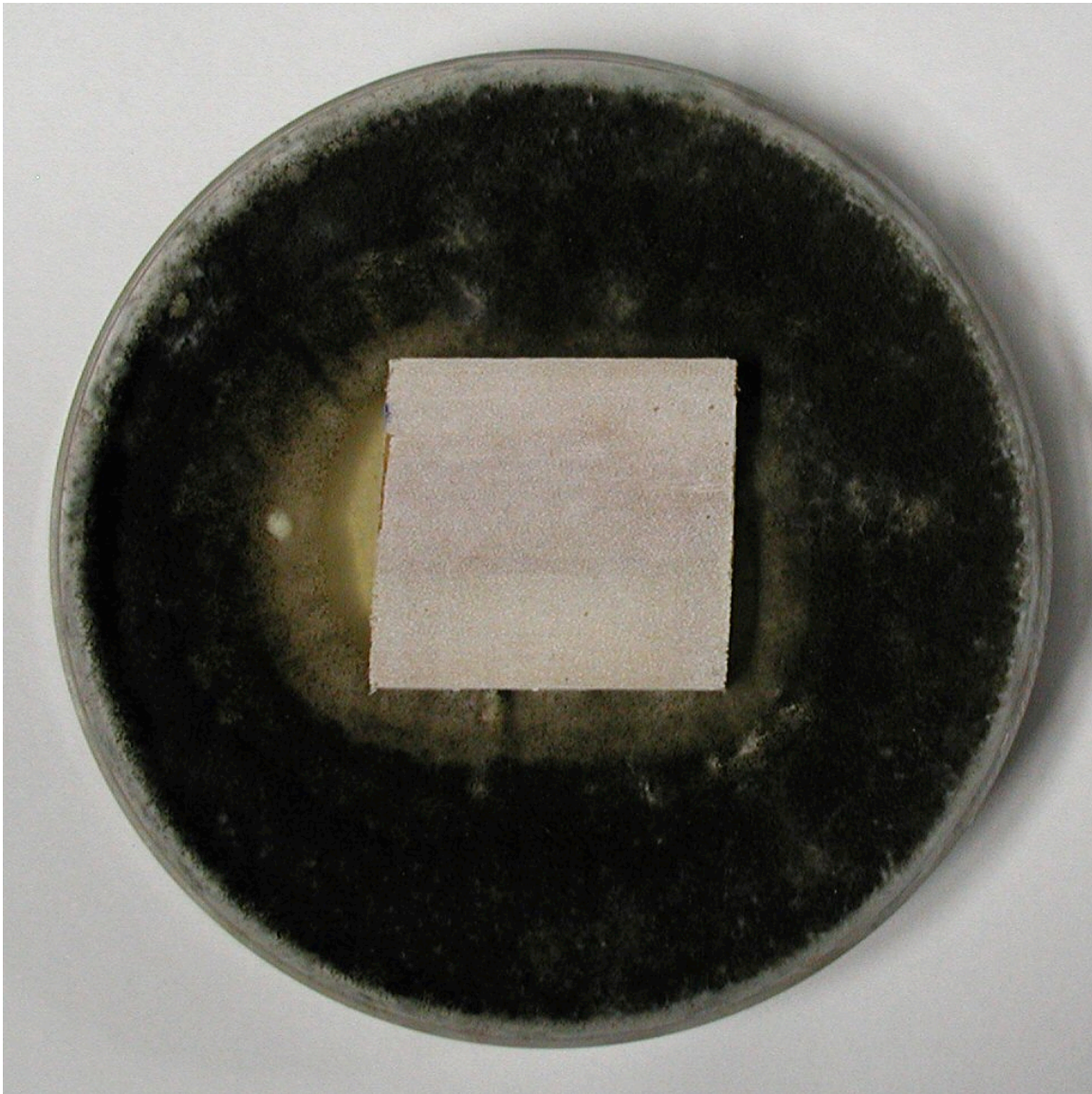
Note: ASTM D 3273 is run for 28 days minimum in a controlled chamber with the test samples suspended vertically 3 inches over the inoculated soil containing a fungi mixture of *Aspergillus niger*, *Penicillium funiculosum*, and *Aureobasidium pullulans*. A rating of 10 means zero growth on the sample, 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
A. Applied to the surface of pine wood, TSR#105-2702-2501-72A	
1. 700 square feet/gallon	10, 10
B. Applied to the surface of gypsum wall board, Dow Report, 04/15/05	
1. 700 square feet/gallon	10, 10
2. Control, untreated USG sheetrock	0, 0

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% 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.

Coverage Rate	Rating	Zone of Inhibition
TSR #20060926-001		
Applied onto the surface of pine wood		
1. 700 square feet/gallon	0, 0	22-28 mm
2. Control, untreated pine wood	4, 4	none
Applied onto the surface of gypsum wall board facing		
1. 700 square feet/gallon	0, 0	12-27 mm
2. 700 square feet/gallon, aged 24 hours at 150C	0, 0	26 mm
3. Control, untreated wall board	4, 4	none
Applied to the surface of OSB		
1. 600 square feet/gallon	0, 0	16-28 mm
2. Control, untreated OSB	4, 4	none



ASTM D-5590, ShieldAll 1020, 700 square feet/gallon on pine wood

Reported By:

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11-30-06
106-78