

Date: March 11, 2003

To: BPB Architectural Ceilings Customers

Subject: **BPB BioShield™ - Mold and Mildew Resistance**

BPB BioShield is a broad-spectrum antimicrobial mold and mildew resistant treatment incorporated into select acoustical ceiling products. BioShield treated product has been evaluated for resistance to the growth of mold that might occur on its surface in a severe mold environment.

Testing was conducted by an independent testing laboratory in accordance with ASTM D 3273, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber". The ASTM D 3273 test method exposes test samples to a continuous inoculation of the surface with mold spores at conditions of 90 F (32 C) and 95 – 98% relative humidity for a 4-week (28-day) period. The test samples are then visually examined and evaluated for the growth of mold and mildew. The evaluation was performed in accordance with ASTM D 3274, "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".

The BioShield treated acoustical ceiling products received an ASTM D 3274 rating of 10, indicating no visible mold growth. Standard "control" acoustical ceiling products without BioShield received a rating of 1, indicating heavy mold growth with ratings of 5 or less defined as a failure.

Based on the results of this testing, BPB acoustical ceiling products with the BioShield antimicrobial treatment provide excellent resistance to the growth of mold and mildew.

BioShield is available on select BPB Acoustical Ceiling Products covered under the Acoustical Ceilings 10 Year 104/90 Limited Warranty.

Marketing Technical Services Department



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