

MATERIALS TESTING

EMLab P&K provides materials testing, specializing in microbial challenge methodologies. New technologies are being incorporated constantly into the manufacture of materials. In some instances these new technologies may inadvertently accelerate or promote the growth of microorganisms. Also, new technology products and materials are being formulated to inhibit or slow down the growth of microorganisms. Growth-inhibiting products can be incorporated into the materials or used as a protective coating.

The ASTM and other standardization organizations developed protocols to measure and quantify the amount and effects of microbial organisms on materials. EMLab P&K is able to provide complete testing on materials following ASTM protocols. When a protocol is not applicable, EMLab P&K can develop rigorous, scientifically sound protocols to assist clients in a wide variety of testing needs. A few examples of the ASTM protocols that EMLab P&K is capable of performing are listed below.

EMLab P&K is accredited by the AIHA EMLAP and the California Department of Health Services ELAP programs, and is ISO/IEC 17025 compliant. EMLab P&K's analytical staff includes only degreed and highly trained analysts, the majority with advanced degrees. EMLab P&K's scientific staff is headed by Dr. Harriet Burge, the company's Director of Aerobiology and Chair of EMLab P&K's Scientific Advisory Board. Dr. Burge is widely considered to be the leading expert in Indoor Air Quality and Mold Analysis, and has served as a member of three National Academy of Sciences committees.

EMLab P&K's ASTM TESTING PROTOCOL CAPABILITIES:

ASTM 21	Standard Practice for Determining Resistance of Materials to Fungi
ASTM G21	Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi
ASTM C1338 00	Standard Method for Determining Fungi Resistance of Insulation Materials and Facings.
ASTM D2020	Standard Test Methods for Mildew (Fungus) Resistance of Paper and Paperboard.
ASTM D3273	Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber
ASTM D3274	Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation
ASTM D4300	Standard Test Methods for Ability of Adhesive Films to Support the Growth or Resist the Growth of Fungi
ASTM D4610	Standard Guide for Determining the Presence of and Removing Microbial (Fungal or Algal) Growth on Paint and Related Coatings
ASTM D6329	Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers to support microbial growth using static environmental chambers.

You can expect the same commitment to quality and accuracy in materials testing that you have come to expect from EMLab P&K in traditional microbial analysis. EMLab P&K remains dedicated to the success of its clients and it's mission of being the benchmark for analytical quality, service and testing in the industry.

Further information is available on the company's web site at www.emlabpk.com or by calling (866) 888-6653. Please feel free to contact the laboratory to answer any questions, inquire about testing, following a protocol not listed or for assistance in choosing a proper method for materials testing.