

FLOOR

Research for Healthy Flooring

Different flooring products and their respective cleaning recommendations play an important, yet varying role in the health of occupants in the indoor environment

With core expertise in the area of preventing ill health due to indoor air pollutants, airmid scientists apply their skills to evaluate the complex interactions of biological, chemical and physical properties associated with flooring products and provide manufacturers with a complete solution for healthy living and label claim validation.

Microorganisms including bacteria, viruses and mould are present in our lives every day - whether they are airborne (bioaerosols) or on surfaces.

Microorganisms are all dynamic and unique, and the way they interact with different surface materials and cleaning procedures varies tremendously. Through our expert product analysis, research collaboration or testing, we can provide optimal intervention strategies so your business can develop flooring with a competitive advantage in the area of home health!

Design & Intervention Techniques that may affect Indoor Occupant Health:

Manufacturers should have a multi-factorial approach to optimal design, installation, and maintenance of flooring products. Design aspects to consider from a health perspective include:

- Physical characteristics of hard flooring & carpets
 - Construction of materials and finishes
 - Potential contact surface area for contaminants
- “Smart additives”
 - Anti-allergen
 - Antimicrobial
- Manufacturing process & chain-of-custody
- Installation techniques and materials
- Cleaning interventions
 - How often? With what and how?
 - Professional vs. home owner
 - Variability between safety, toxicology and efficacy of cleaning products





airmid healthgroup is a world leading **Environmental Research, Development & Testing Company, focusing on all aspects of health and air quality indoors.**

Research Methodologies

airmid healthgroup (AHG) is a world leading Environmental Research, Development & Testing Company, focusing on all aspects of health and air quality indoors. International Standards Organisation accredited (ISO 17025), AHG has the capacity to assess products and services both in the field and at its vertically integrated Dublin facility.

Combining molecular biology with state-of-the-art air sampling and particle counting in highly sophisticated environmental test chambers and adjacent microbiology facilities, AHG specialises in measuring both surface and airborne bacteria, moulds, allergens, viruses, and other toxic ultrafine particles.

Contract Research

Our Research & Development department is often described by our partners as an extension of their own in-house research capabilities. We would be happy to discuss your health-related research projects further.

Study Dissemination, Media & Public Relations

An environmental & health assessment of flooring design, installation and/or its maintenance is likely generate publishable data given the high relevance of the topic. Should this be appropriate and desired by our clients, airmid healthgroup will assist in research dissemination through relevant streams, such as scientific journals, industry publications or general interest media.



Our large, temperature & humidity controlled AHAM type environmental chamber, attached to a test duct rig system (ASHRAE 52.2 modified) used to simulate real-world environments

Mr Graeme Tarbox
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