

GREENGUARD Certification For Indoor Air Quality / Low Chemical Emissions: An Overview



PRODUCT CERTIFIED FOR
LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818

ORIGINAL LOGOS



Why is indoor air quality important?

People spend about 90% of their time indoors, where air can be 2-5 times more polluted than outdoor air. Products can release thousands of potentially harmful chemicals (VOCs or volatile organic compounds) into the indoor environment. Once airborne, VOCs can easily be inhaled by building occupants. Poor indoor air quality can trigger a number of health problems, including asthma and allergy attacks, headaches and flu-like symptoms.

What is GREENGUARD Certification?

Simply put, GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air. GREENGUARD Certification helps identify healthier products. As the demand for healthier, more sustainable products continues to expand, consumers and building industry professionals increasingly demand substantiation of product sustainability claims and rely on trustworthy third-party certifiers to guide purchasing and specification decisions. GREENGUARD Certification provides the market with solutions and resources to identify products with lower chemical emissions, and provides manufacturers with credible tools to legitimize and promote their sustainability efforts. Indoor air quality (IAQ) is closely tied to health, and is therefore recognized as an important concern in homes, schools, healthcare environments and commercial spaces. Volatile organic compound (VOC) emissions from building materials and furnishings is a major source of indoor air pollution. GREENGUARD Certification has been widely adopted as a trusted

standard for low-emitting products. In fact, more than 400 green building codes, standards, guidelines, procurements policies, and rating systems give credit for GREENGUARD Certified products.

What are the certification types?

GREENGUARD Certification is the first voluntary North American indoor air quality product certification created specifically for commercial building products, this certification requires that products meet stringent chemical emissions requirements originally developed as purchasing specifications for building projects for the US EPA and the State of Washington. Products with GREENGUARD Certification (formerly known as GREEN GUARD Indoor Air Quality Certification) are compliant with stringent emission levels for over 360 VOCs, plus a limit on the total of all chemical emissions combined (TVOC).

The GREENGUARD Gold standard (formerly known as GREENGUARD Children & Schools Certification and GREENGUARD Select Certification) includes safety factors to account for sensitive individuals (such as children and the elderly) and ensures that a product is acceptable for use in environments such as schools and healthcare facilities. In addition to limiting emissions of more than 360 VOCs and total chemical emissions, GREENGUARD Gold Certified products must also comply with requirements of the State of California's Department of Public Health "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1 (2010)" (also known as California Section 01350).

Why the different logos?

With the consolidation of GREENGUARD Children & Schools and GREENGUARD Select into the GREENGUARD Gold standard, UL (Underwriters Laboratories) has designated new logos to identify certified products. The transition from existing logo references and the new logos will take time as marketing materials are updated. In the interim, you may see both the original and new logos being used. All Phifer products that meet GREENGUARD, GREENGUARD Children & Schools and GREENGUARD Select also meet the new GREENGUARD Gold Certification level.

Which Phifer exterior sun control fabrics in Australia are GREENGUARD certified?

The Outlook Collection of fabrics are GREENGUARD certified. Made fabrics from this collection can also be used as an interior sun control fabric.



OUTLOOK



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MICROBAN®

Antimicrobial Product Protection: An Overview



What is Microban antimicrobial product protection?

Microban technology is built-in antimicrobial protection that gives products an added level of protection against microbes such as stain and odor causing bacteria, mold and mildew.

How do products with Microban antimicrobial protection work?

Microban protection inhibits the growth of microorganisms. When microbes come in contact with the product surface, Microban protection penetrates the cell wall of the microorganism and disrupts cell functions, making the microorganism unable to function, grow and reproduce.

What benefit do I get from products with Microban antimicrobial protection?

Microban protection continuously fights the growth of microbes such as odor and stain causing bacteria, mold and mildew. Microban protection makes products easier to clean and keeps them cleaner between cleanings.

What types of microorganisms does Microban protection work against?

Microban antimicrobial protection is effective

against most common bacteria, yeasts, molds and fungi that cause stains, odors and product degradation. Microban technology is not designed to protect users from disease-causing microorganisms.

How do I know that Microban antimicrobial product protection is safe?

Microban technology has undergone extensive independent laboratory testing and has a long history of safe use. It is registered with the EPA for all applications in which it is used. Microban additives can be found in leading consumer and industrial products around the world.

Does this mean I don't have to clean my products as much or as carefully?

No. Microban protection provides continuous antimicrobial protection that protects the products, making them easier to clean and keeping them cleaner between cleanings. However, normal cleaning practices should be maintained.

Does Microban protection begin working immediately?

Microban protection begins to work as soon as the microorganism comes into contact with the product surface. Under the right conditions,

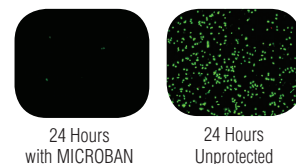
microbes on an untreated surface can double every 20 minutes! Microban technology is not a disinfectant and is not a substitute for normal cleaning practices.

How long does Microban antimicrobial protection work?

Microban protection is built-in during the manufacturing process and will not wash off or wear away. Microban protection is engineered to provide continuous antimicrobial product protection for the useful lifetime of the product.

Which Phifer exterior sun control fabrics in Australia contain Microban antimicrobial product protection?

The Outlook Collection of fabrics contain Microban antimicrobial protection. For the most current list of products, please contact your Ricky Richards Sales Account Manager.



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