

BASICS SAFE+

ANTIMICROBIAL EXHIBITION CARPET



Keep Your Exhibition and Event Safe

PRODUCT DESCRIPTION

Antimicrobial coating is a coating specially formulated with Silver Technology. A hydrophobic air-curable coating which is effective against microorganisms such as bacteria and viruses. These coatings are a must in places where harmful bacteria are present such as hospitals and clinics.

As the leader in the exhibition and event carpet industry since 1998, EXPOFlor is proud to be the first Singapore brand to apply antimicrobial coating technology to exhibition and event flooring. EXPOFlor's Basics SAFE+ antimicrobial coated needle-punched carpet will keep your exhibition and event safe. It prevents bacteria from outside getting in, as well as hinders the internal spread of bacteria by providing a surface impossible for bacteria to survive on.

Extensive tests as per international standards have been performed to ensure that the quality and safety of the coating meet the industry requirements. All tests were 100% conducted in Singapore.

KEY FEATURES

- Hydrophobic, making it easy to clean and stain repellent.
- Up to 99.9% anti-viral efficacy against EV-A71(HFMD), H1N1 & Murine coronavirus strains.
- Up to 99.9% anti-bacterial efficacy against common bacteria (E. Coli, S. Aureus, K. pneumonia, MRSA).
- Meets list of biocompatibility requirements as per ISO 10993-1:2018 Biological evaluation of medical devices.
- Resistant to washing, up to 10,000 cycles (dependent on substrates).

ANTIMICROBIAL PERFORMANCE

Coated PET film with >3.67 Antimicrobial activity value, tested as per JIS Z 2801: Antibacterial Products: Test for antibacterial activity and efficacy.

- Coated fabric with >99.9% reduction rate, tested as per ASTM E2180 - 07: Standard test method for determining the activity of incorporated antimicrobial agent(s) in polymeric or hydrophobic materials.
- Degree of cytotoxicity <2, as per ISO 10993-5:2009 Biological evaluation of medical devices Part 5: Tests for in-vitro cytotoxicity.
- Primary irritation is negligible (index <0.4), as per ISO 10993-10:2013 Biological evaluation of medical devices Part 10: Tests for irritation and skin sensitization.
- No skin sensitization, as per ISO 10993-10:2013 Biological evaluation of medical devices Part 10: Tests for irritation and skin sensitization.

FAQS

1. What's the difference between coating and disinfectant?

Disinfectant is a chemical agent used on inanimate objects (i.e., nonliving) (e.g., floors, walls, sinks) to destroy virtually all recognized pathogenic microorganisms, but not necessarily all microbial forms (e.g., bacterial endospores). The EPA groups disinfectants on whether the product label claims "limited," "general" or "hospital" disinfectant.

Antimicrobial coatings use chemicals to hinder the growth of pathogens through cellular membrane perturbation. In layman terms, an antimicrobial coating is an application of a chemical agent on a surface that can stop the growth of disease-causing micro-organisms. Apart from increasing the surface's durability, appearance, corrosion resistance, etc., these coatings also protect from harmful disease-causing microbes.

Disinfectant solutions can be effective for disinfection up to 24 hours whereas antimicrobial treated surfaces remain continuously disinfected and sanitized for over 90 days.

Division of Oral Health. (2020, August 10). Glossary of Terms for Infection Prevention and Control in Dental Settings. Retrieved September 15, 2020, from <https://www.cdc.gov/oral-health/infectioncontrol/glossary.htm>

Tiwari, D. (2020, July 20). A Guide to Antimicrobial Coatings. Retrieved September 15, 2020, from <https://www.pcimag.com/articles/107649-a-guide-to-antimicrobial-coatings>

2. How long does the coating on needle-punched carpet last?

Antimicrobial treated surfaces were found to have persisted over 15 weeks. For EXPOFlor's Basics SAFE+ Antimicrobial exhibition carpet, we recommend an usage of up to 30 days from coated date.

3. How effective is this on Covid 19 Virus?

- Kills off up to 99.9% anti-bacterial efficacy against common bacteria (E. Coli, S. Aureus, K. pneumonia, MRSA).
- Kills off up to 99.9% anti-viral efficacy against EV-A71 (HFMD), H1N1 & Murine coronavirus strains.

GLOSSARY

- Silver Technology – Silver (Ag) has antimicrobial properties. Silver ions perform their deadly work by punching holes in bacteria membranes and wreaking havoc once inside.
- EV-A71 – First identified in the USA in 1969. Enterovirus A71 (EV-A71) is one or more than 100 non-polio enteroviruses. Worldwide, EV-A71 is a common cause of hand, foot and mouth disease in infants and young children.
- S. Aureus – Staphylococcus aureus is the most dangerous of all its many common staphylococcus bacteria. It cost skin infections but can caused pneumonia, heart valve infections and bone infections.
- In-vitro cytotoxicity – it is not toxic to living cells.