

## WHAT IS SAFE FRONT® ?

**SAFE FRONT®** is a totally ecological and harmless protection method that eliminates the presence of mites, fungi and bacteria in fabrics. This development incorporates a shield which, in a natural way, prevents domestic dust mites from reproducing. In addition to that, it also protects fabrics against fungi and bacteria, thus achieving a totally hygienic upholstery material.



**SAFE FRONT®** is especially useful for businesses or homes that allow pets due to the proliferation of dust mites and bacteria in these animals. Their fur is fulminant with the presence of these microorganisms.



## HOW DOES SAFE FRONT® WORK?

Domestic dust that gathers in fabrics is the ideal place for mites to proliferate. Their defecation is the cause of almost 70% of allergies. Up to 18,000 mites can live in one gram of domestic dust at a time, and each mite can defecate up to 10 times its own body weight every day. Mite defecation can cause allergies such as allergic rhinitis, bronchial asthma, atopic dermatitis and urticaria. Fungi on fabrics can also cause such allergies due to their spores and mycotoxins. With the build-up of Bacteria on fabrics, it can lead to bad smells and infections. What **SAFE FRONT®** has achieved is preventing the growth of these mites, fungi and bacteria without using insecticides or volatile substances.



**SAFE FRONT®** was created after years of research and cooperation with Japanese laboratories. It acts as a totally ecological and harmless protective shield that eliminates the medium for these microorganisms to thrive in. Mites will not be able to reproduce or survive on a fabric that has been treated with **SAFE FRONT®**. The **SAFE FRONT®** protective shield contains inorganic silver particles that prevent humidity accumulation, which results in a totally hygienic, anti-allergic and smell free surface. **SAFE FRONT®** can last on a fabric's surface for more than 50 washing machine cycles and is effective against the following threats:

Bacteria	Fungi	Algae
Bacillus subtilis	Aureobasidium pullulans	Cyanophyta (blue-green) occillatoria
Corynebacterium sp.	Aureobasidium pullulans	Cyanophyta (blue-green) anabaena
Lactobacillus sp.	Aspergillus farres	Chrysophyta (brown)
Listeria monocylogenes	Aspergillus niger	Chlorophyta (green) Seienastum gracile
Methicillin-resistant	Aspergillus repens	Chlorophyta (green) Protococcus
Staphylococcus epidermidis	Aspergillus terreus	Anabaena cylindrica
Staphylococcus aureus	Aspergillus versicolor	Selenastrum gracile B-325
Streptococcus faecalis	Aspergillus fumigatus	Pleurococcus sp. LB11
Streptococcus pneumonia	Penicillium albicans	Schedesmus quadricuada

Bacteria	Fungi	Algae
Streptococcus mutans	Penicillium citrinum	Gonium sp. LB 9c
Shigella sonnei	Penicillium elegans	Volvox sp. LB 9
Bacillus cereus	Penicillium funiculosum	Chlorella vulgaris
Aerobacter aerogenes	Penicillium humicolor	Levaduras
Acinetobacter sp.	Penicillium notatum	Candida albicans
Enterbacter sp.	Penicillium variabile	Saccharomyces cerevisiae
Escherichia coli	Pullularia pululans	Oscillatoria borneti LB143
Klebsiella pneumoniae	Cladosporium herbarum	
Mycobacterium smegmatis	Tricophylon mentagrophytes	
Mycobacterium tuberculosis	Tricophylon interdigitalie	
Proteus vulgaris	Tricophylon Mucor sp.	

Bacteria	Fungi	Algae
Proteus mirabilis		
Pseudomonas aeruginosa		
Pseudomonas cepacia		
Pseudomonas fluorescens		
Salmonella typhosa		
Salmonella choleraesius		
Serratia narcescens		

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