

GERM SHIELD™



Features & Benefits

Features

- Anti-microbial and anti-enveloped virus (includes novel coronavirus – COVID-19).
- Durable barrier to prevent re-infestation.
- World first combined anti-fungal and anti-bacterial treatment.
- Safe for humans and the environment.
- Eliminates golden staph, mrsa a129.
- Colorfast and uv stable.



Benefits

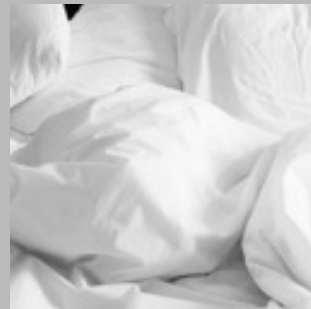
- Long lasting efficacy.
- Destroys both gram-negative and gram-positive bacteria.
- Inhibits growth and proliferation of harmful virus, moulds, spores, bacteria and fungi.
- A treated fabric creates a hygienic environment.
- Prevents odor and discoloration.
- Increases the lifespan of the treated fabric.
- Protection for workers/residents in communal spaces.



Advantages

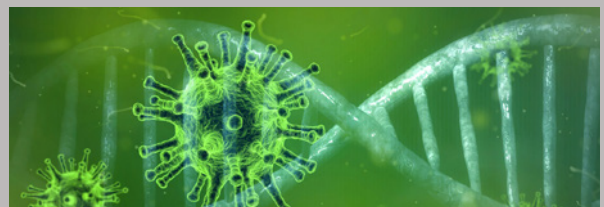
Moulds are ubiquitous (everywhere-indoors and outdoors) and affect millions of people. They are known triggers of allergies like asthma, eczema, psoriasis, emphysema, glue ear, conjunctivitis and hay fever. Microscopic and invisible to the human eye, microbial growth infests mattresses, lounge suites, pillows, carpets, walls, ceilings and many other substrates. Germ Shield™ Premium Protection provides the real solution.

- Compatible with modern textile finishes.
- Germ Shield provides an exclusive point of difference in marketing and promotion.
- Germ Shield ensures standards are attained and sustained.
- Treatment of products provides for the authorised use of the trademarks of Germ Shield.



What Makes Germ Shield Products Different From Other Brands?

Germ Shield technology provides a strong micro bond of the Germ Shield with the surface to ensure long lasting performance. It is blended into the products to provide additional protection for individuals and their families against bacteria and moulds while maintaining the comfort and appearance of bedding, furnishings, fixtures, household surfaces and vehicles.



GERM SHIELD™



Data Sheet

Use

- Germ Shield™ is an anti-microbial and anti-enveloped virus (includes Novel Coronavirus – COVID-19) finish especially formulated for use in the textile industry.
- Germ Shield can be applied to all types of textiles and is compatible with silicone cationic finishing agents.
- Germ Shield can be applied with Fluorocarbon finishes, flame retardant finishes and all resin systems and cationic or nonionic softeners normally used in textile finishing.
- Feathers, fabrics and polyurethane foams and fibres, which are treated with Germ Shield will have long lasting anti-microbial and anti-enveloped virus (includes Novel Coronavirus – COVID-19) protection.
- Germ Shield is a speciality product developed to protect carpets, polyester fibre, bedding, curtains, furnishings, textiles, soft toys and foam from a broad spectrum of bacteria, viruses and moulds.

Solubility Clear liquid that is soluble in esters and glycols
Emulsifiable in water

Reaction pH 6.0 - 9.0

S.G @ 20°C 0.98

Ionic Nature Cationic

Biodegradability 95% to 100% OECD 302 C

Test Microorganism Staphylococcus aureus ATCC 6538
Escherichia coli ATCC 112229
Proteus mirabilis ATCC 14153
Pseudomonas aeruginosa ATCC 15442
Candida albicans ATCC 10231
Enveloped and Flu virus (outside of the human body)

Advantages

- Will not affect colour.
- Doesn't allow enveloped viruses such as flu virus to live on hard surfaces.
- No effect upon wash fastness.
- Safe and hygienic.
- Controls a broad spectrum of gram positive and gram-negative microorganisms.
- Preserve fabric to a hygienic standard.
- Will prevent discolouration due to microbial attack.

Special Features

- Germ Shield is ideal for application to mattress ticking's and all other bedding accessories.
- Germ Shield can be sprayed onto polyester fibre and feathers used in continental quilts and pillows.
- Germ Shield when incorporated into polyurethane foam will protect foam from microbial attack.
- Germ Shield can be sprayed onto carpets as a topical treatment to prevent odours caused by microbial attack.
- Germ Shield treated articles will effectively kill microorganisms which cause odours.
- Germ Shield treated articles will not allow enveloped viruses (includes Novel Coronavirus- Covid 19) to live on the surface.

Mode of Action

Germ Shield provides protection against a broad spectrum of Bacteria, Mould and Enveloped virus (includes Novel Coronavirus – COVID-19) protection, which can accumulate and multiply both upon the surface and inside many textile substrates.

Test Results

Germ Shield has been scientifically formulated and all tests have been carried out by independent testing authorities, giving you and your customer's complete satisfaction.

As we do not have control over the future handling of products treated with Germ Shield, no responsibility is accepted in respect of the use and handling. B & R Converters has a responsibility to take reasonable care for our own health and safety, and the health and safety of other, who may be affected by our acts, or omissions.

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