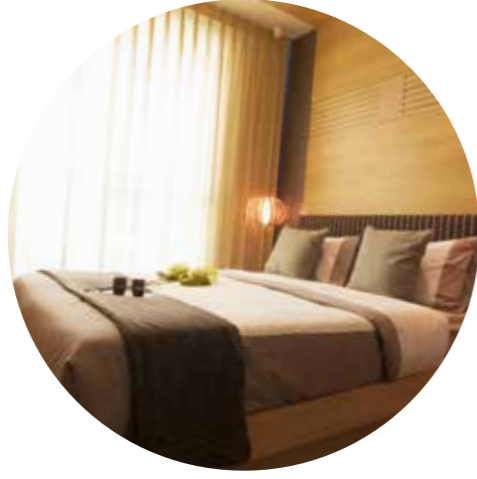


Pamaz<sup>®</sup>

# Specialist Cleaning System & Long Lasting Residual Disinfection Solution



shield<sup>™</sup>plus  
anti-microbial technology



Innovation is at the core of Panaz's success, resulting in fabrics that are flame retardant, more stain resistant, more waterproof and more effective in suppressing and inhibiting microbes such as bacteria, algae and mould. Moreover the Panaz portfolio has the largest range of impervious fabrics, designed specifically for a variety of Healthcare environments.

Healthcare fabrics are made to withstand the most exacting environments with daily challenges to prevent staining and ingress from food, bodily fluids and general soiling.

To enhance this inherent armoury of fabric protection we have launched 3 protective treatments with a combination of benefits including improved stain resistance, specialist cleaning, disinfection and long lasting infection control to keep fabrics and hard surfaces looking good, safe and hygienic, odour free and stain free.

Shield Plus™ cleaning and disinfection products are tested and approved against major harmful bacteria, viruses, mould and spores with a residual action of more than 90 days and are comprised of:

**protect**      **sanitise**      **laundry**

Our range offers the most advanced, modern anti-microbial products that afford long-term protection, essential for any location and any situation that demands the highest standards in hygiene.

Healthcare & Medical facilities | Commercial & Industrial |  
Leisure & Hospitality | Animal Healthcare & Agriculture |  
Marine & Cruise ships



# protect



 shieldplus protect

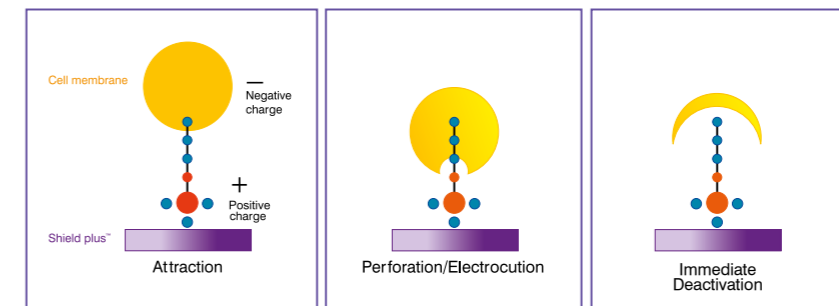
Spray onto new or freshly cleaned surfaces for a safe and easy to use unique anti-microbial surface treatment that lasts up to 90 days.

 shieldplus protect

This water-based technology, forms an invisible, protective, layer delivering a unique anti-microbial barrier that kills bacteria **immediately** on contact and offers long-term protection.

It has been rigorously tested in British Laboratories and has been shown to destroy up to 99.9999% of bacteria, mould, fungi and viruses, including spore-forming organisms such as C Diff.

Tested as effective for more than 90 days against microbes such as MRSA, C Diff spore and Legionella, the technology performs like a magnet attracting microbes onto the treated layer of product. When the bacterium comes into contact with this layer, the cell is ruptured, electrocuting the bio-chemicals within and killing the microbe on contact.



Unlike other inorganic technologies (such as silver, copper, zinc etc), this is an immediate physical kill which has never been shown to allow adaptation, resistance, mutation or migration.

### Easy to use:

With a light application, this spray-on treatment provides a protective layer by suppressing bacteria, viruses and mould whilst simultaneously enhancing the stain resistant properties of the surface.

Shield Plus™ **protect** is for new and newly cleaned upholsteries and hard surfaces. A spray application will protect the surface from microbes for over 90 days.

Apply a light spray directly onto hard surfaces or fabric, wipe over with a cloth or brush (depending on the surface) and allow to dry.

# sanitise



 shieldplus sanitise

Spray onto any surface to remove bacteria, mould and fungi.

 shieldplus sanitise

Offers a real alternative to replace conventional sanitisers and disinfectants that are powerless against many of the emerging superbugs. The formulation offers the only residual kill claim providing a dual action micro-biocidal and micro-biostatic residual treatment for 90 days. Shield Plus™ sanitise has intensive cleaning properties and excellent material compatibility.

#### Easy to use:

Apply a light spray directly onto hard surfaces or fabric, wipe clean with a cloth or brush (depending on the surface) and rinse with clean water and allow to dry.

#### Features:

Shield Plus™ sanitise

- For simultaneous cleaning and disinfection of surfaces.
- Has a broad-spectrum biocidal action against bacteria, fungi, algae and viruses.
- Has excellent cleaning properties for both upholsteries and hard surfaces.
- Is non-corrosive.
- Has a very low chemical hazard rating being non toxic and non hazardous.

#### Regulatory:

Shield Plus™ sanitise is effective against bacteria, viruses, yeasts, moulds and fungi and tested to ENs: 1275, 1276, 13704, 13697, 14476 as well as long term residual tests.

Shield Plus™ sanitise cleaning system employs only ingredients that are acceptable within the global regulatory framework:

- Products are covered and included in the European BPR and REACH.
- EPA approval awaited.

# laundry



 shieldplus laundry

An effective anti-microbial treatment to add to your laundry wash cycle that is effective for up to 90 days or until your next wash. Also contains conditioner.

As the name suggests,  shieldplus laundry brings all the benefits of **protect** to the washing cycle together with the added benefit of an integral fabric conditioner.

Shield Plus™ laundry will bring a new level of cleanliness to towels, sheets, pillowcases and all aspects of laundry. Even more, this will have a long lasting effect for 90 days. This unique laundry treatment will bring **protect** benefits to all areas of the environment.

#### Easy to use:

- Wash cloths as normal ensuring there is a rinse cycle.
- Pour 1 capful per wash load straight into the rinse cycle drawer.
- Dry fabrics as normal.
- Repeat every 90 days.



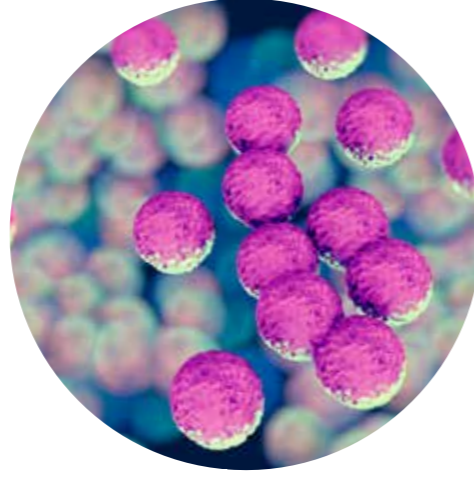
C-DIFF



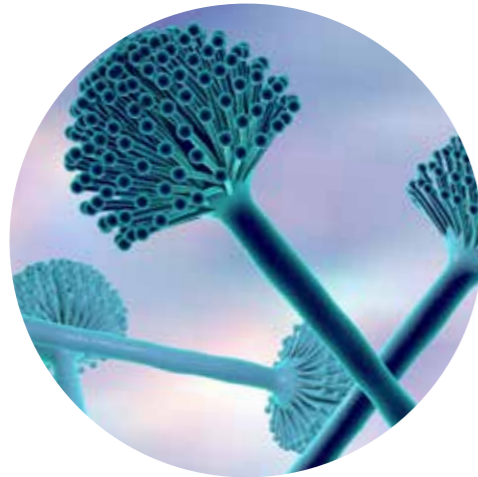
E-COLI



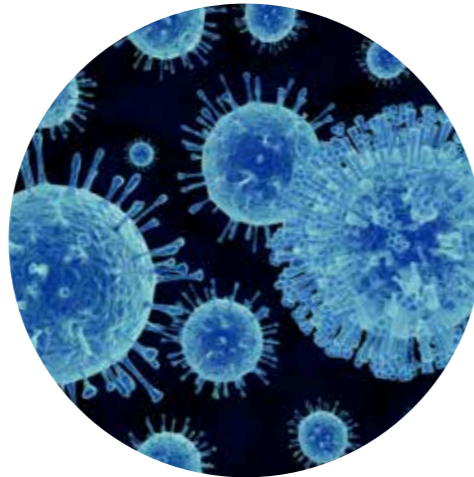
KLEBSIELLA



MRSA



ASPERGILLUS



NOROVIRUS

## EFFICACY DATA Spectrum of Effectiveness



Shield Plus™ creates a layer of protection with a positive charge that is effective against bacteria, fungus, algae and mould. This list is a representation of such microbes against which these products are tested.

Test	Organisms	ASP%	Clean	Dirty	Time	Log Kill	Log Pass
EN1276	Escherichia coli	5		D	5 min	8.21	5
EN14476	Norovirus	10	C		5 min	4.67	4
EN1276	Pseudomonas aeruginosa	5		D	5 min	6.566	5
EN1276	Escherichia coli	5		D	5 min	>6.459	5
EN1276	Staphylococcus aureus	5		D	5 min	>6.298	5
EN1276	Enterococcus hirae	5		D	5 min	>6.269	5
EN13727	MRSA	4		D	5 min	>6.50	3
EN13727	MRSA	4	C		5 min	>6.50	3
EN13727	MRSA	4		D	30 sec	>6.85	3
EN13727	Listeria monocytogenes	5		D	5 min	>6.512	5
EN13727	Salmonella typhimurium	5		D	5 min	>6.194	5
EN1275	Aspergillus niger	4		D	1 min	>6.46	4
EN1275	Candida albicans	4		D	1 min	>6.50	4
EN1275	Aspergillus niger	4		D	30 sec	>6.46	4
EN1275	Candida albicans	4		D	30 sec	>6.50	4
EN13704	Clostridium Difficile (spores)	4	C		5 min	>6.70	3
EN13704	Clostridium Difficile (spores)	4	C		1 min	>6.70	3
EN13697	Pseudomonas aeruginosa	5		D	5 min	>6.548	4
EN13697	Escherichia coli	5		D	5 min	>6.358	4
EN13697	Staphylococcus aureus	5		D	5 min	>6.439	4
EN13697	Enterococcus hirae	5		D	5 min	>6.315	4
EN13697	Pseudomonas aeruginosa	5		D	5 min	7.538	4
EN13697	Escherichia coli	5		D	5 min	7.451	4
EN13697	Staphylococcus aureus	5		D	5 min	7.177	4
EN13697	Enterococcus hirae	5		D	5 min	7.242	4

## Comparison with other anti-microbial sanitising products:

Sanitising Products		Residual	Broad Spectrum	Damages Surfaces	Hazardous to Users	Flammable	Obnoxious Odours	Unstable	Slow Kill
	Alcohol	NO	NO	YES	YES	YES	YES	NO	YES
	Chlorine	NO	YES	YES	YES	NO	YES	YES	NO
	Glutaraldehyde	NO	YES	YES	YES	NO	YES	YES	NO
	Peroxygen	NO	YES	YES	YES	NO	NO	YES	NO
	Iodine	NO	YES	YES	YES	NO	NO	YES	YES
	Phenol	NO	YES	YES	YES	YES	YES	YES	NO
	QAC	NO	YES	NO	YES	NO	NO	NO	NO
	Shield Plus™	YES	YES	NO	NO	NO	NO	NO	NO

**KEY**  
■ Negative  
■ Positive

## Safe to use:

The biocompatibility of Shield Plus™ **protect**, Shield Plus™ **sanitise** and Shield Plus™ **laundry** have been assessed with respect to toxicity to cell culture using the method stipulated in the ISO 10993-5 by Indirect Cell Culture.

The Cytotoxicity observation for the test is classified as non-cytotoxic.

Moreover, Shield Plus™ does not contain any heavy metals, such as Zinc, Tin, Copper, Arsenic or Silver.

## New Advanced Cloths for Unrivalled Microfibre Cleaning

### ULTRAmicrofibre™

Panaz has launched ULTRAmicrofibre™ and MACROfibre™ new advanced cloths for unrivalled microfibre cleaning.

ULTRAmicrofibre™ consists of very fine threads of polyester and polyamide that combine to form a single thread.

One ULTRAmicrofibre™ is 100 times thinner than a single strand of human hair.

ULTRAmicrofibre™ are so small that they can attach themselves to even the smallest, most microscopic dirt particles, ones that normal cloth fibres crudely brush past.

The physical process by which it achieves this is called van der Waals force after their discoverer, Nobel-prize winning Dutch chemist Johannes Diderik van der Waals.

There is a microscopic amount of van der Waals force between the ULTRAmicrofibre™ and dirt particle. As there are millions of ULTRAmicrofibre™ in a cloth, the overall force of attraction is magnified dramatically. Hence dirt and dust are “hoovered up”.

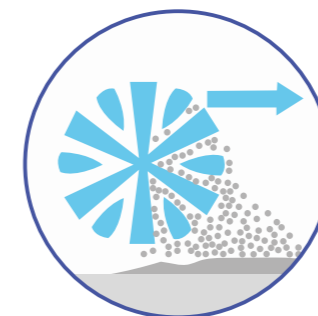
Use the Ultra-Microfibre™ cloth with water alone to clean your fabric upholsteries safely, without clogging up the surface with soap and spoiling the stain resist.



Use the MACROfibre™ cloth to efficiently clean vinyl and faux leather upholsteries with or without a mild non-alkali soap as necessary.

Sturdy, long and tough, these brush-like MACROfibre™ have chiselled ends which access the tiny crevices of hard surfaces where dirt hides and lifts it away using nothing more than water. Their unique size and shape ensures that captured dirt is rinsed clean away for a fresh finish.

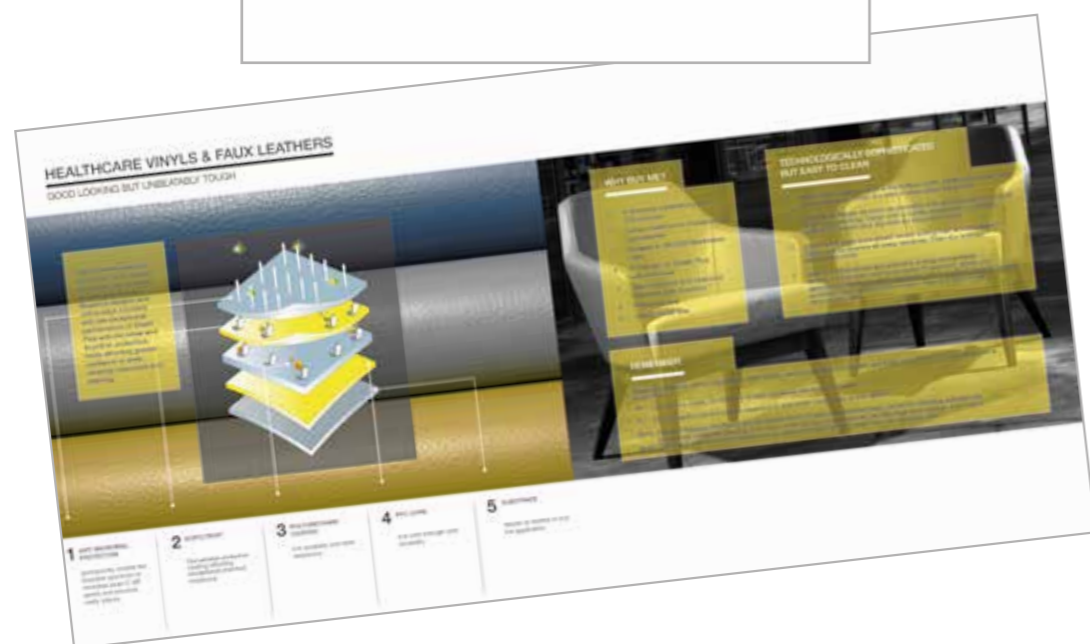
MACROfibre™ cleans mechanically (not chemically) deep into the structure of both hard and textured surfaces.



**YouTube** Simple Steps To Remove Stubborn Stains.



Please refer to our Cleaning Guide for Healthcare Fabrics or visit our **YouTube Channel** and watch our informative video demonstrating how to tackle common stubborn stains on Panaz fabric.





*Panaz*<sup>®</sup>

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