**Defender Guide** 

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Protective armour for transport upholstery fabrics. Defender treatment wins the fight against spills, stains and germs.



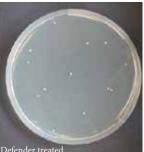


Top/Right
Defender provides stain
repellancy causing liquid
spills to bead on the
fabrics surface rather than
soak in.









# Camira Defender provides triple action long-lasting protection in a single fabric treatment, making it anti-bacterial, anti-fungal and anti-stain.

Drinks get spilt, people get sick, feet get put on seats. The result? Fabrics get messed up and germs get spread. Bad news not just for upholstery fabrics, but for the health and well-being of the travelling public. Defender treament is added to woven fabrics forming an invisible protective shield around each individual fibre in the fabric structure, making fabrics look newer for longer and easier to care for. Anti-microbial properties can help stop the spread of infection by killing common bacteria and can also prevent the degradation of fabrics through mould.

#### 1 Anti-bacterial:

Defender provides long-lasting durable freshness using antimicrobial silver technologies. Silver particles are highly effective anti-microbial agents in low concentrations with no human toxicity, protecting against bacteria such as Staphylococcus aureus, MRSA, Salmonella Enteritidis and Salmonella Typhimurium.

## 2 Anti-stain:

Defender provides superior protection against both water and oil based stains, making it effective against things like drinks, mud, even blood, as well as greasy food, fats and oil.

A new generation of textile finish system is used which builds a 3D microstructure on the surface of the textile. Its formulation contains precisely engineered microparticles which are the optimal dimension to replicate the "Lotus leaf effect", creating a unique coating giving superior repellent performance.

# 8 Anti-fungal:

Defender provides an effective control system against a variety of mould fungicides and mildews which can thrive in the warm, moist condtions in transport interiors, feeding on food and liquid spill remnants.

One of the most common is Aspergillus niger, which can spoil the textile appearance as it turns white-yellow then black. Rotting brings with it unpleasant odour problems and textile degradation leads to premature wear.

### Three part protection

# Quick wins using Defender.

- Helps stop the spread of infection
- Reduces odours associated with spills, stains, accidents and sickness
- Repels liquid spills and prevents stainingStops dirt and moisture from destroying upholstery foam
- Stops premature wear by agitation of dried on stains
- Keeps interior fabrics looking fresh and new for longer

UK Head Office	New
Tel: +44 1924 490491	Tel: +
Email: info@camirafabrics.com	
	Polar
Australia	Tel: +
Tel: 0434 588 09	
	Russ
Austria, Czech Republic, Slovenia	Tel: +
Tel: +42 1 333 0642	
	Scan
Germany	Tel: +
Tel: +49 172 1592 152	
	South
Israel	Tel: (
Tel: +97 2394 10419	
	Switz
Italy	Tel: +
Tel: +39 0731 811221	
	USA
Korea	Tel: +
Tel: +82 103 778 4456	
London Showroom:	
Tel: +44 1924 490591	

New Zealand
el: +64 9638 7646
Poland
el: +48 515 590 607
Russia
el: +79 857 738 275
Scandinavia
ēl: +358 9686 6170
South America
el: (57-1) 215 4556
Switzerland
el: +41 0433 102070
JSA
el: +1 616 288 0655