



Image courtesy of Vetro Doors by NESP

StratFX™ unique surface technology turns conventional printed, un-lacquered or impregnated wood-grain and unicolour, paper based foils into extremely high gloss and protective laminates that offer:



- ✓ Deep and consistent 'piano lacquer' aesthetics
- ✓ Excellent chemical resistance
- ✓ Outstanding scratch and anti-wear properties
- ✓ Low light diffraction 'Newton ring' effects
- ✓ Lamination to all conventional wood based furniture materials
- ✓ Compatibility to water-based and hot-melt adhesive systems
- ✓ Machining and edge banding compatibility
- ✓ Conforms to:
 - FIRA 6250 2005 horizontal surfaces (excluding kitchen worktops).
 - BS 6222-3 1999 and specific EN438 2005
 - ISO 4211/EN 1271
 - DIN 68861

In addition the StratFX™ surface chemistry can be modified to provide:

- Anti-graffiti properties for easy cleaning
- Anti-microbial protection to combat bacteria
- Alternative surface finishes such as silk or matt



Full details of independent EU and UK Furniture Industry testing results available on request

This Product Information Sheet is not intended by Exopack Advanced Coatings for use as a Product Specification or Warranty for the product. Prior to use the customer, user or installer must determine suitability for it required or intended use and assume all risk and liability in connection with product performance.

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High Gloss Furniture Foils Anti-Microbial Protection- HGAM

StratFX™ High Gloss Furniture Foils can be modified by incorporating SteriTouch[®] antimicrobial additive during the outer surface manufacturing process.

Based on innovative silver technology, SteriTouch[®] is designed to reduce the growth of harmful organisms such as bacteria, mould and fungi. All SteriTouch[®] additives have FDA EFSA and EPA approvals, and importantly, they also have BPD (biocidal products directive) support, enabling their use throughout Europe.

The integration process ensures even distribution of the SteriTouch[®] antimicrobial agent throughout the laminated film surface providing a reliable, stable bacterial barrier.

Exopack Advanced Coatings has achieved with StratFX™ Furniture Foils optimum performance in scratch resistance, hardness and chemical resistance. In addition these products are designed for interior use only and are backed up by a programme of customer oriented development work to respond to specifiers and end user needs.

TREATMENT	BACTERIA/MOULD	TEST RESULT	TEST METHOD
None	E-coli	Biocidal Pass	JIS Z 2801:2000
None	PS.Aeruginosa	Biocidal Pass	JIS Z 2801:2000
None	Sal.Enteritidis	Biocidal Pass	JIS Z 2801:2000
None	Kl. Pneumoniae	Biocidal Pass	JIS Z 2801:2000
None	B.Cereus	Biocidal Pass	JIS Z 2801:2000
None	MRSA	Biocidal Pass	JIS Z 2801:2000
None	As.Niger	Biocidal Pass	JIS Z 2801:2000
None	Pe.Funiculosum	Biocidal Pass	JIS Z 2801:2000
None	Str.Mutans	Biocidal Pass	JIS Z 2801:2000
Soaked in IPA for 24 hrs	E-coli	Biocidal Pass	JIS Z 2801:2000
Soaked in IPA for 24 hrs	MRSA	Biocidal Pass	JIS Z 2801:2000
Soaked in Chlorine Bleach for 24hrs	MRSA	Biocidal Pass	JIS Z 2801:2000
Soaked in Chlorine Bleach for 24 hrs	E-coli	Biocidal Pass	JIS Z 2801:2000
Soaked in Ethanol for 24 hrs	MRSA	Biocidal Pass	JIS Z 2801:2000
Soaked in Ethanol for 24hrs	E-coli	Biocidal Pass	JIS Z 2801:2000
Soaked in Quaternary Ammonium for 24 hrs	MRSA	Biocidal Pass	JIS Z 2801:2000
Soaked in Quaternary Ammonium for 24 hrs	E-coli	Biocidal Pass	JIS Z 2801:2000
Soaked in Phenol Base Disinfectant for 24 hrs	MRSA	Biocidal Pass	JIS Z 2801:2000
Soaked in Phenol Base Disinfectant for 24 hrs	E-coli	Biocidal Pass	JIS Z 2801:2000
15 Year Lifetime Test*	E Coli	Biocidal Pass	JIS Z 2801-01
15 Year Lifetime Test*	As.Niger	Biocidal Pass	AATCC Method 30
15 Year Lifetime Test*	MRSA	Biocidal Pass	JIS Z 2801-01

•Film samples are tested by Lawlabs using standard test protocols that simulate real life cleaning regimes representing a period of 15 years

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High Gloss Furniture Foils Easy Clean/Anti-Graffiti Protection- HGEC

The StratFX™ surface treatment on High Gloss Furniture Foils can be modified to provide excellent easy cleaning and anti-graffiti properties. Laminated furniture panels are an easy target for abuse from scratching and paint, pen and chemical attacks particularly in shopping centres, offices, public buildings and on transportation systems. The replacement and 'out of service' costs can be extremely high.

Industry experts agree that graffiti needs to be removed as soon as possible after such an attack. Modified StratFX™ High Gloss Furniture Foils can prevent the material becoming damaged as well as providing a surface that can be cleaned, using simple or existing cleaning solutions and procedures, leaving in most cases no ghosting effects. Unlike some sacrificial coatings StratFX™ can be cleaned successfully in the same area over ten times before more aggressive solutions need to be used. This product is only suitable for interior locations.

TYPICAL VALUES:

PROPERTY	REMARK	VALUE	TEST METHOD
Gloss	High	>150%	
Weatherability	Good	>5 years interior	Xenon Weatherometer ASTM G155
Abrasion Resistance	Excellent	< 4.5%	Dhaze after 100 cycles (Taber abrader)
Adhesion	Excellent		810 Scotch 3M tape QCTM 145

ANTI-GRAFFITI CERTIFICATION:

1/ Tested in accordance with **ASTM D6578-00 test method**, Section 9 (excluding 9.4) -24hrs at room temp

GRAFFITI MARKERS	RETICULATION PROPERTIES	ANTI-GRAFFITI LEVEL
Water based ink marker	Slight reticulation	1
Solvent based ink marker	Good reticulation	1
Solvent based spray paint	Good reticulation	4

2/ Tested in accordance with **London Underground** transport specification

Graffiti markers	Reticulation properties	24hrs at room temp	72hrs at room temp	24hrs at 40 degs C
Edding 750 Marker pen	Slight reticulation	4	4	4
Edding 850 marker pen	Repellent	4	4	4
Buntlack Spray paint	No reticulation	5	5	5

Level 5 would be the minimum cleanability required to be classified as an **easy-clean film**

3/ Resistance to various solvents and household foodstuffs

HCL (acid)	KOH (alkali)	Ethyl Acetate	Toluene	IPA	MEK	Coffee	Tea	Milk	Curry
Resistant	Non Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	High Resistance	High Resistance	High Resistance

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