

Spectrum Contract Vinyls with PreFixx Protective Finish

The Spectrum collection has been coated with PreFixx protective finish, designed to be cleaned easily, over and over, without showing signs of wear. With PreFixx protection, it is possible to remove stains that could never be removed before. Now, with test-proven stain resistance and cleanability, plus superior abrasion resistance, PreFixx Spectrum Contract Vinyls protects you from high maintenance costs and from frequent upholstery costs.

PreFixx Finish goes beyond previous protection.

Performance.

State-of-the-art resistance to staining, abrasion, scuffing, burnishing and blocking demonstrated in repeated laboratory tests.

Durability.

Resists stain penetration of the vinyl for unique, long-term protection never before possible. The superior stain resistance and improved wear properties help keep PreFixx-protected Spectrum Contract Vinyls looking new for longer than other vinyl upholstery.

Easy Maintenance.

Common stains like dirt and smudges simply wipe off. More difficult stains like ball-point ink can be cleaned with active solvents such as nail polish remover without damaging the Prefixx finish when following recommended cleaning instructions.

PreFixx Protective Finish

- Outstanding stain resistance and cleanability – most stains wash off easily with mild cleaners, but active solvents may be used to remove difficult stains.
- Abrasion resistance – Wyzenbeek wire screen abrasion tests performed on behalf of Spectrum Contract Vinyls show 10 to 12 times better abrasion resistance than a similar product coated with a clear vinyl finish. These tests show the vinyl upholstery with a clear vinyl finish withstands about 6,000 test cycles while Spectrum with Prefixx withstands 60,000 to 75,000 test cycles.
- Resistance to common scuffing and burnishing.
- Eliminates blocking and resists premature ageing.

Care & Cleaning

Day-to-day Soil: Remove ordinary dirt and smudges with a mild soap and warm water solution. Dry with a soft, lint free cloth or towel. For more difficult stains, use of stronger detergent is recommended however follow the detergent manufacturer's instructions closely.

Special Cleaning Problems: The following steps are recommended to clean stains on Prefixx protected vinyl upholstery. Many stains can be removed when these cleaning agents are used in the following order.

SPECTRUM CONTRACT VINYL

191-205 Cambridge Heath Road, London E2 0EL Telephone: 020 7749 3030 Fax: 020 7749 3031

Recommended cleaning solutions For Prefixx-coated Spectrum Contract Vinyls	
Staining Agent	Type of Cleaner
Spray Paint	1-2-3
Permanent Felt Tip Marker Pen	1-2-3
Ballpoint Pen	1-2-3
Lipstick	1-2-3
Yellow Mustard	1-2-3
Nicotine	1-2
Grease	1-2
Crayons	1-2
Eye Shadow	1-2
Betadine	1
Coffee	1
Tea	1
Hair Oil Tonic	1
Blood	1
Urine	1
Grape Juice	1
Olive Oil	1
Motor Oil	1
Chocolate	1
Ketchup	1
Baby Oil	1

Day-to-day- soil:- Remove ordinary dirt and smudges with a mild soap and warm water solution. Dry with a soft, lint-free cloth or towel. For more difficult stains, use of a stronger detergent is recommended, however, follow the detergent manufacturer's instructions closely. For special cleaning problems the following steps are recommended. Many difficult stains can be removed when these cleaning agents are used in the following order.

Step 1 cleaners:- Non abrasive household bleached based cleaners such as Cif, Mr Muscle or similar household cleaners and bleaches, to be used with a soft cloth or damp sponge, following the manufacturer's instructions.

Step 2 cleaners*:- Solvent-type cleaners such as Rubbing alcohol (isopropyl alcohol) or lighter fluid to be liberally applied with a soft cloth or damp sponge. Rinse cleaned area with fresh water and dry with clean cloth.

Step 3 cleaners*:- Strong, active solvent cleaners such as nail polish remover dissolved in 50% water (acetone/water) to be applied with soft cloth or damp sponge. Stain should be removed with less than six (6) rubs; if stain persists after six rubs, stain has set and it is unlikely that it can be removed. Rinse cleaned area with fresh water and dry with a clean cloth.

† **Note:** Although vinyls protected with Prefixx are resistant to most common stains, some fabric dyes have the ability to create a permanent stain. To minimise any problems from these and other stains, it is recommended that as soon as they are noticed all stains should be cleaned, making sure the recommended cleaning steps are followed in order.

* **CAUTION:** These solvents are highly flammable. Exercise proper care in cleaning. Wear Rubber gloves during all cleaning activity. Use caution cleaning around buttons, stitching and wooden or other decorative trim, since these solvents could seriously damage such areas.

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www.spectrumvinyls.com sales@spectrumvinyls.com

Fabric specifications

Roll Size	27m
Finished Width	137cm
Thickness	1.25 - 1.35mm
Total Weight	Min 795 g/square metre
Fabric Weight	Min 110 g/square metre
Coating Weight	Min 685 g/square metre
Bursting Strength	Min 690 kPa
Adhesion	Min 26 N per 50mm width
Elongation (Longitudinal)	Min 10%
Elongation (Transverse)	Min 40%
Tension Set	Max 33% of elongation
Blocking resistance	Separation without damage to surface
UV Stability with UVA 340 Bulb	70hours
Finish	PreFixx

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Sewing Techniques and Practices Vinyl Upholstery Material

Many times seam failures in vinyl upholstery materials are created by the design and/or sewing practices used by the upholsterer.

Serious considerations should be used in determining the needles, thread, number of stitches and sewing techniques necessary for a specific product's design.

Round point needles are recommended on vinyl because chisel point needles and other needles with sharp edges can create cuts in the vinyl and/or the backing subsequently, tearing occurs when stress is applied to the stitching. Ball-point needles have a tendency to push knitted backings aside rather than cause cutting of the threads.

Five to six stitches per inch are recommended in order to reduce the chances of the needles cutting the thread. As more stitches are added, the strength of the vinyl is decreased and chances for seam failures are enhanced.

The placement of seams in the products is very important because, if placed in stress or support areas, it will increase the chances of the seam failures.

Backstitching and double stitching are not recommended on vinyl upholstery materials particularly in stress and/or support areas because it creates too many stitches per inch and cutting of the vinyl coating.

Monofilament and small diameter threads can potentially saw through the vinyl coating whenever stress is applied to the seams during use.

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Commercial Vinyl Warranty

Subject to the conditions and limitations below, SPECTRUM warrants that for a period of five (5) years from the date of shipment that our fabric-backed vinyl products will not separate from their backings or exhibit stains caused by bleeding of impurities from the Vinyl. This limited warranty does not cover and expressly excludes any damage, loss, cost, defect or deficiency arising out of or relating to:

- (a) accident, abuse, misuse, or vandalism;
- (b) mold or mildew;
- (c) use of incompatible materials, accessories or supplies;
- (d) abnormal conditions of use including use on walls subject to moisture infiltration or accumulation;
- (e) improper storage, handling, installation, or maintenance;
- (f) fire, flood or other acts, omissions, causes, or events beyond the control of SPECTRUM;
- (g) Vinyl that has been altered by anyone other than SPECTRUM; or
- (h) any other loss, cost, damage, defect or deficiency not within the scope of the limited warranty.

Any claim or dispute arising out of or relating to the Vinyl shall be resolved by final and binding arbitration in accordance with the Center for Public Resources rules for non-administered arbitration.

THE FOREGOING LIMITED WARRANTY IS THE SOLE AND EXCLUSIVE WARRANTY GIVEN BY SPECTRUM WITH RESPECT TO ITS VINYL. SPECTRUM MAKES NO AND DISCLAIMS ALL OTHER REPRESENTATIONS OR WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, ARISING BY OPERATION OF LAW OR OTHERWISE INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE; ANY IMPLIED WARRANTY ARISING BY USAGE OF TRADE, COURSE OF DEALING OR COURSE OF PERFORMANCE; ANY IMPLIED WARRANTY ARISING FROM ANY USE OF ANY VINYL, OR SPECTRUM'S CONDUCT IN RELATION TO SUCH USE, AND IN EACH SUCH CASE, WHETHER OR NOT THE PURPOSE OR USE OF THE VINYL HAS BEEN DISCLOSED TO SPECTRUM AND WHETHER OR NOT THE VINYL IS SPECIFICALLY DESIGNED AND/OR MANUFACTURED BY SPECTRUM FOR CUSTOMER'S USE OR PURPOSE.

If, during the warranty period, the Vinyl fails to conform to the foregoing limited warranty, SPECTRUM's sole and exclusive liability and Customer's sole and exclusive remedy shall be (at SPECTRUM's option) to replace or refund the purchase price for the nonconforming Vinyl, subject to SPECTRUM being promptly notified in writing and being provided with the nonconforming Vinyl for inspection. Any permitted claim against SPECTRUM which is not made within 90 days of the claimant's knowledge of the claim shall be deemed irrevocably waived.

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- (b) ANY LIABILITY FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL, EXEMPLARY OR PUNITIVE DAMAGES, EVEN IF SPECTRUM HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, INCLUDING BUT NOT LIMITED TO ANY DAMAGES ARISING FROM INJURY TO PERSONS, LOSS OF VALUE OR USE (INCLUDING STIGMA OR DIMINUTION OF VALUE DAMAGES); LOSS OF ANTICIPATED REVENUE OR PROFITS; DAMAGE TO OR LOSS OF OTHER PROPERTY OR EQUIPMENT; COST OF CAPITAL; COST OF SUBSTITUTE SUPPLIES, FACILITIES OR SERVICES OR CLAIMS MADE BY AN END USER.

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Test results

TEST	METHOD	RESULTS
Grab Tensile	CFFA-17	113.2 x 89.8 average
Trapezoid Tear	CFFA-16C	25.4 x 26.9 average
Adhesion (25mm strip)	CFFA-3	3.0 minimum
Weight	CFFA-20	675g per sq metre (+/- 10%)
Gauge	CS-273-65	0.050 nominal
Flexing (15,000 cycles)	CFFA-10	No separation
Abrasion (Wyznebeek 60,000 cycles stainless steel wire)	CFFA-1	No wear to base
Tack Tear	CFFA-14	63.1 x 35.1 average
Light stability	QUV Outdoor UVA 340 bulb	72 hours. No discolouration
Elongation	SAE J 855	5.0 x 25.0
Cold Crack	- 20° F (#5 roller)	No cracking
Fire test USA		Achieved the following US regulations: CAL 117, FMVSS-302, FAR 25.853(a), Boston Fire Dept IX1, Fed. Std. A-A-2950.
Fire test UK	TR3910/71775	Achieved UK CRIB5
Fire test France	#G100111 - CEMATE 3	Achieved France M1
AntiMicrobial test	25747	Achieved : SNV195 920 & SNV 195 921 1994
Mildew Resistance	ASTM G21	Pass