

CONTRACT & COMMERCIAL – SECTION SIX

# HEALTHCARE FABRICS



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## Nolan.UDA

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# HEALTHCARE FABRICS

Available through Nolan.UDA is a comprehensive range of fabrics specifically designed for the healthcare and institutional market. Each product has been developed for specific applications. These include; mattress ticking, cart covers, cubical & shower curtains and pillow ticking etc.

## KEY PRODUCT FEATURES



- ✓ *Soft, supple hand for exceptional comfort*
- ✓ *Durable and tear resistant*
- ✓ *Non-allergenic, non irritating*
- ✓ *Anti bacterial*
- ✓ *Impervious surface*
- ✓ *Antistatic*
- ✓ *Flame retardant*
- ✓ *Easy maintenance*

*These features and benefits are generic to most other products in the Nolan.UDA healthcare fabric range. For specific features and benefits, refer to the product information in this catalogue.*

## CONSUMER GUIDE

When selecting a fabric for the healthcare or institutional environment, it is important to consider the end application. All fabrics in the Nolan.UDA range have subtle variations in the way they are manufactured providing different characteristics. These differences can vary from the manufacturing process through to the composition of the finishing surface.



Two typical examples are:

In a case where you have patients that spend a majority of their time in bed, a pressure management fabric must be used to minimise the risk of bed sores. Ultra-Thane mattress ticking is a polyurethane product supported with a knitted polyester backing. This particular construction provides maximum stretch in all directions enabling the mattress to mould to the shape of the patient.

In a correctional centre the most important criteria is tear strength, therefore the ideal fabric construction would be a laminated PVC with a high tenacity polyester base cloth to minimise the possibility of destruction. Both Sure-Chek 44XL and Sure-Chek 80 grade are manufactured using this process and are designed specifically for this application.



For further advice speak to your local Nolan.UDA representative.

**PRODUCT DETAILS**

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
  Teal Part # 26ULTURE TEA  Roll Width: 220cm Roll Length: 50m	Total Weight	265gsm	–
	Tear Strength	>3.0 daN/5cm (warp) >3.0 daN/5cm (weft)	NF G 07-146
	Tensile Strength	>54 daN/5cm (warp) >28 daN/5cm (weft)	NF G 37-103
	Adhesion	>3 daN/5cm	BS 3424-07
	Flame Resistance	Pass ( <i>this result relates to the ignitability of mattress composites under the particular conditions of the test.</i> )	BS 7175 Crib 5
	Hydrostatic Head	>200cm	ISO 1420
	Water Vapour Permeability	699g/m <sup>2</sup> – 24h at 38°C	ASTM 96-66

**RECOMMENDED APPLICATIONS:**

Mattress ticking and covers, healthcare chairs, massage tables, pillow ticking, pressure management surfaces.





PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
 <b>HHR</b>  Navy Part # 26ULTURE LMVT  Roll Width: 220cm Roll Length: 50m	Total Weight	260gsm	–
	Tear Strength	>3.1 daN/5cm (warp) >5.7 daN/5cm (weft)	ISO 4674
	Tensile Strength	>59 daN/5cm (warp) >48 daN/5cm (weft)	ISO 1421
	Adhesion	≥3 daN/5cm	BS 3424-07
	Flame Resistance	Pass ( <i>this result relates to the ignitability of mattress composites under the particular conditions of the test.</i> )	BS 7175 Crib 5
	Hydrostatic Head	>200cm	ISO 1420
	Water Vapour Permeability	327g/m <sup>2</sup> – 24h at 38°C	ASTM 96-66

**RECOMMENDED APPLICATIONS:**

Mattress ticking and covers, healthcare chairs, massage tables, pillow ticking, pressure management surfaces.



***HHR is a polyurethane ‘pressure management’ mattress ticking specifically formulated with a low water vapour transmission.***

**PRODUCT DETAILS**

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
  Fawn: Part # 26ULFAW  Sky Blue: Part # 26ULTSKY  Grey: Part # 26ULTGRY Roll Width: 109cm Roll Length: 100m	Total Weight	340gsm (10oz/yd <sup>2</sup> )	ASTM D3776
	Tear Strength	81N (warp), 81N (weft)	AS 2001.1.10 – 1986
	Tensile Strength	539N (warp), 449N (weft)	AS 2001.2.3.2 – 2001
	Adhesion	12lbs/inch	ASTM D751
	Flame Resistance <i>(meets general requirements of the BCA for Class 9A Healthcare Buildings Specification C1.10)</i>	Ignitability Index 13 Spread of Flame Index 0 Heat Evolved Index 0 Smoked Developed Index 5	AS 1530.3 – 1999
	Bacteriostatic Resistance	Pass	CAN/CGSB – 4.2 Method 28.2 New York State, Proposal 1241
	Water Vapour Transmission	27.31 (g/m <sup>2</sup> /24hrs) 0.2 (g/m <sup>2</sup> /min)	ASTM E96 Procedure B
	Electrical Resistivity	2.3 x 10 <sup>11</sup> ohms (antistatic)	NFPA 99

**RECOMMENDED APPLICATIONS:**



Mattress ticking & covers, stretcher pads, cubical & shower curtains, cart covers, pillow ticking, laundry hampers.

PRODUCT	PROPERTY	RESULTS	TEST METHOD
  Fawn Part # 26SURXL Roll Width: 107cm Roll Length: 91.4m *AS – Australian Standard **ASTM – American Standard	Total Weight	352gsm	AS 1441.2
	Tear Strength	71N (warp), 113N (weft)* 28lb (warp), 33lb (weft)**	AS 2001.2.10* ASTM D2261**
	Tensile Strength	647N (warp), 540N (weft)* 130lb (warp), 110lb (weft)**	AS 2001.2.3* ASTM D5034**
	Adhesion	Pass	AS 1441.5 (min 26N)
	Flame Resistance	3.9 sec (ave)* 1.2 sec (after flame)** 5.3" (char length)**	AS 1441.13 (max 5 sec)* ASTM D6413**
	Cigarette Ignition	<0.5"	16 CFR Part 1632
	Hydrostatic Head	250kpa* 175psi**	AS 1441.11* ASTM D751/A**
	Fungal growth Resistance	0 Growth	AS 1157 Part 4 or 11
	Antimicrobial Resistance	Pass	NYS63
	Primary Skin Irritation Index	0	Draize Dermal Toxicity
	Electrical Surface Resistance	2.1 x 10 <sup>11</sup> (face)	BS 3878



**RECOMMENDED APPLICATIONS:**

Mattress ticking & covers, stretcher pads, cubical & shower curtains, laundry hampers, cart covers.

**PRODUCT DETAILS**


PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
 <p><b>Sure-Chek™ XL44</b></p>  <p>Fawn Part # 26SUR44 XL</p> <p>Roll Width: 100cm Roll Length: 91.4m</p>	Total Weight	440gsm	ASTM D3776
	Tear Strength	135lb (warp), 135lb (weft)	ASTM D2261
	Tensile Strength	225lb (warp), 200lb (weft)	ASTM D5034
	Adhesion	12.6lb/2"	Free Peel
	Flame Resistance	0.2 sec (after flame) 3.8" (char length)	ASTM D6413
	Cigarette Ignition	<0.5"	16 CPR Part 1632
	Hydrostatic Head	300psi	ASTM D751/A
	Antimicrobial Resistance	Pass	NYS63
	Primary Skin Irritation Index	0	Draize Dermal Toxicity
	Electrical Surface Resistance	5 x 10 <sup>10</sup>	AATCC 76

**RECOMMENDED APPLICATIONS:** Heavy duty mattress ticking and covers

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
 <p><b>Sure-Chek™ 80 Grade</b></p>  <p>Grey Part # 26SUR80</p> <p>Roll Width: 127cm Roll Length: 45.8m</p>	Total Weight	630gsm	ASTM D3776
	Tear Strength	103lb (warp), 110lb (weft)	ASTM D2261
	Tensile Strength	343lb (warp), 309lb (weft)	ASTM D5034
	Adhesion	10.10lb/2"	Free Peel
	Flame Resistance	0.3 sec (after flame) 2.6" (char length)	ASTM D6413
	Hydrostatic Head	530psi	ASTM D751/A
	Antimicrobial Resistance	Pass	NYS63
	Primary Skin Irritation Index	0	Draize Dermal Toxicity
	Electrical Surface Resistance	5 x 10 <sup>10</sup>	AATCC 76


**RECOMMENDED APPLICATIONS:** Heavy duty mattress ticking and covers

**PRODUCT DETAILS**

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
 <p><b>Sure-Chek™</b> <b>Comfort</b></p> <p>Rose Part # 26SURCOM</p> <p>Roll Width: 120cm Roll Length: 91.4m</p>	Total Weight	305gsm	ASTM D3776
	Tear Strength	32lb (warp), 76lb (weft)	ASTM D2261
	Tensile Strength	115lb (warp), 105lb (weft)	ASTM D5034
	Elongation %	@10lb/" 40 (warp), 30 (weft) @20lb/" 80 (warp), 550 (weft) @ Break 105 (warp), 70 (weft)	ASTM D5035
	Adhesion	10.9lb	Free Peel
	Flame Resistance	0.8 sec (after flame) 3.8" (char length)	ASTM D6413
	Hydrostatic Head	Face 180psi, Rev 180psi	ASTM D751/A
	Antimicrobial Resistance	Pass	NYS63
	Primary Skin Irritation Index	0	Draize Dermal Toxicity
	Electrical Surface Resistance	Anti-static	AATCC 76

**RECOMMENDED APPLICATIONS:**



Mattress ticking and covers, healthcare chairs, massage tables, pillow ticking, pressure management surfaces.

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
 <p><b>Sure-Chek™</b> <b>Sure-Thane</b></p> <p>Cool Blue Part # 26SURSUR COO</p> <p>Roll Width: 127cm Roll Length: 91.4m</p>	Total Weight	320gsm	ASTM D3776
	Tear Strength	32lb (warp), 76lb (weft)	ASTM D2261
	Adhesion	13lb/2"	Free Peel
	Flame Resistance	Class 1	NFPA 702
	Cigarette Ignition	Pass	16 CPR Part 1632
	Hydrostatic Head	165psi	ASTM D751/A
	Antimicrobial Resistance	Pass	NYS63
	Primary Skin Irritation Index	0	Draize Dermal Toxicity

**RECOMMENDED APPLICATIONS:**

Mattress ticking and covers, healthcare chairs, massage tables, pillow ticking, pressure management surfaces.

**PRODUCT DETAILS**

PRODUCT	PROPERTY	TEST RESULTS	TEST METHOD
  <p>Fawn Part # 26 Indent Roll Width: 220cm Roll Length: 100m</p>	Total Weight	200gsm (5.8oz/yd <sup>2</sup> )	ASTM D3776
	Tear Strength	17lb (warp), 20lb (weft)	ASTM D1117
	Tensile Strength (per/inch)	64lb (warp), 33lb (weft)	ASTM D751
	Adhesion	4lbs/inch	ASTM D751
	Flame Resistance	Pass	NFPA 701-1999 Test 2
	Bacteriostatic Resistance	Pass	AATCC TM 147-1998

**RECOMMENDED APPLICATIONS:** Pillow ticking, positioning pillows, cart covers.

**CARE INSTRUCTIONS**



In general, a simple solution of neutral soap suds and lukewarm water is all that is required for cleaning Sure.Chek™ fabrics. For troublesome spots, use a standard household/vinyl cleanser, and a soft bristle brush. Pre-soak heavy dried on soiling. A 1:10 dilution of household bleach containing 5.25% Sodium Hypochlorite will not harm the fabric. Do not use harsh cleansers, solvents or detergents.

In general, phenolic or quaternary type disinfectants, provided they are applied in concentrations recommended by the manufacturer, may be used satisfactorily. Iodophor (i.e. iodine bearing) type disinfectants may result in staining, if these are not treated with a diluted bleach solution within 20 minutes of application or spillage. Disinfectants applied at full concentration or in highly concentrated solutions may damage the fabric.

Laundering of Vinyl laminated fabrics, (i.e. Ultrathane, Correct-tick, Sure.Chek XL, XL44, 80 Grade, Comfort, Sure-Thane) is not recommended, nor necessary. Polyurethane coated Ultrathane and Ultrathane HHR can be laundered, but some surface wrinkling may occur, which has no adverse affect on the physical properties of the material. Machine wash with detergent up to 120°F, and hang or tumble dry thoroughly at 140°F before storage.

**ULTRATHANE LIMITED WARRANTY**



Ultrathane is manufactured under ISO 9001 standards to ensure the highest level of quality control. The manufacturer warrants Ultrathane against leakage for the first three years starting from the purchase date of the material. If leakage occurs the manufacturer will accept liability. This warranty is only valid if the article is used as a mattress cover and treated as such.

Exclusions from this warranty include: mechanical damage, damage due to direct exposure to heavy sunlight or heating sources and use of non appropriate cleaning products. The manufacturer recommends a regular care and maintenance schedule using neutral water and mild soap. Only disinfectants that are approved by the manufacturer may be used in the cleaning process. Bleaching and abrasive agents will void this warranty.

For valid claims, the Manufacturer agrees to replace the material as follows:

- 100% full material replacement during the first year.
- 66% material cost between year one and two.
- 33% material cost between year two and three

Documentation supporting the age of the material must be submitted with all warranty claims.

The Manufacturer must be informed immediately regarding any warranty claim and must have the opportunity to analyse any cover subject of the claim. For hygienic reasons, only covers that have been properly maintained and kept in a clean state will be accepted. Liability for negligence, or any consequential loss is excluded.