

Product Innovations for Facilities Management

Polesy has developed a range of product innovations designed to benefit facilities management operations. These innovations deliver improved product performance and durability, reduce the costs of implementation, maintenance and replenishment, and deliver favourable outcomes in terms of sustainability and corporate social responsibility goals.

Room Ready by Polesy™ Bed Linen and Towelling

Room Ready by Polesy™ Bed Linen and Towelling is prewashed at the time of manufacture to allow you to forgo the time and expense of local laundering prior to installation of new bed linen and towelling.



ROOM READY

How does Room Ready by Polesy™ benefit your business?

- No need to prewash bed linen and towelling, saving laundry costs.
- No need to manage the movement of bed linen and towelling to and from a commercial laundry prior to installation, reducing logistical complexity and saving transport costs.
- Bed linen and towelling can be stored on site to be rolled out, and into pool stock, on your timetable, reducing the need for contingency planning.

Indicative savings on the introduction of new bed linen and towelling to a 200-room, 3-par accommodation facility:

Item	Rooms	Par	Weight per Par	Total Weight	Prewashing Cost***
Bed Linen*	200	3	2.85kg	1,710kg	\$3,420
Towelling**	200	3	1.15kg	690kg	\$1,380
Total Saving				2,400kg	\$4,800

*Bed Linen for King Single bed includes 1pc each Fitted Sheet, Flat Sheet, Quilt Cover and 2pcs Pillow Case.

**Towelling includes 2pcs Bath Towel 70x140cm 450gsm & 1pc Bath Mat 50x70cm 650gsm.

***Prewashing cost based on 2024 inter-laundry charge rate of \$2 per kg.

Vat Dyed Bed Linen and Towelling

Polesy's Coloured Bed Linen and Towelling is continuously vat dyed; and the use of DataColor colour matching technology, and European dyes and fixing agents, ensures consistent shade matching, to provide many years of trouble-free commercial use for every item.



How does Vat Dyeing Bed Linen and Towelling benefit your business?

- Continuous Vat Dyeing ensures colourfastness, meaning items are chlorine and bleach resistant, so colours do not fade in commercial laundering.
- DataColor colour matching technology, and European dyes and fixing agents, ensure consistent item colour from production to production.



VTex™ by Polesy Performance Bed Linen

VTex™ by Polesy Performance Bed Linen is the latest innovation in bed linen – VTex™ uses contamination-free Australian Cotton and high-quality polyester vortex spun into yarn, air jet woven, and specially finished to produce bed linen of superior appearance and feel with a useful life more than twice that of conventional bed linen.

How is VTex™ different to conventional bed linen?

VTex™ uses a patented vortex spinning technology to produce a yarn that is superior to traditional ring spun yarn – by having the polyester fibres form the core of the yarn, with the cotton fibres wrapped around and anchored in the polyester, there are virtually no exposed fibre ends resulting in minimal fibre shedding and high resistance to pilling.



Air Jet Weaving using the vortex spun yarn produces a fabric that is more consistent in weave and weight than traditional Sulzer weaving; and specialty finishes including heat setting, singeing, Sanforisation and calendering ensure the highest quality finished fabric.

How does VTex™ by Polesy Bed Linen benefit your business?

- **Double Life Span of Bed Linen**

VTex™ has an expected lifecycle of at least 250 commercial laundry washes.

- **Australian Cotton**

Sustainably grown, contamination free, consistent staple length, greater fibre strength and supports Australian farmers and Australian businesses.



- **Cotton Rich Feel**

The wrapping of the cotton fibres around the polyester core in the VTex™ yarn results in a soft, skin-friendly cotton feel to the bed linen.

- **Minimal Shrinkage and improved Dimensional Stability**

As the VTex™ process includes heat setting to 210°C and Sanforising, VTex™ Bed Linen has a maximum shrinkage during laundering of 2%, compared to up to 10% in conventional bed linen. And dimensional stability refers to the bed linen retaining its original shape and not warping throughout its life.

- **VTex™ Bed Linen does not shed fibre or pill**

The vortex spinning of the yarn in VTex™ provides very high resistance to abrasion, minimising fibre shedding and pilling; a conventional sheet will have lost up to 30% of its cotton by volume after 100 commercial laundry cycles, whereas a VTex™ sheet will lose less than 2% of its cotton by volume after 200 commercial laundry cycles. For you this means the VTex™ Bed Linen will not only last longer but will also look and feel like new for a lot longer than traditional bed linen.

- **VTex™ supports ESG principles**

VTex™ is more sustainable than conventional bed linen, its longer life means it needs to be replaced less often, reducing replenishment costs and waste to landfill (Polesy also has an end-of-life solution which prevents bed linen, towelling and bedding going to landfill), the vortex spun yarn reduces the release of microplastics into the environment, the lower drying and ironing temperatures for VTex™ reduces energy consumption, and the production and supply chain for VTex™ is fully transparent ensuring compliance with environmental and ethical manufacturing and sourcing requirements.

Reduced Cost of Bed Linen across the life of a Contract

Based upon a 5-year facilities management contract with weekly linen changes, you can see the savings over time from your investment in VTex™ by Polesy Bed Linen:

Factors	Traditional Bed Linen	VTex™ by Polesy Bed Linen		
Required Linen Changes	250	250		
Lifecycle (in Washes / Changes)	100	250	Indicative savings on a 200-room, 3-par accommodation facility:	
Initial Purchase Price per Set*	\$33.50	\$39.95		
Replenishments Required	2.5	1		
Total Investment	\$83.75	\$39.95	\$50,250	\$23,970
Savings over Contract Period	Nil	\$43.80		\$26,280
How Many Sets sent to Landfill	2	Nil	1,200	Nil

*King Single Sheet Set containing 1 x KS Flat Sheet, 1 x KS Fitted Sheet & 1 x Pillow Case.

Polesy's Ethical and Sustainable Supply Chain

All Polesy's Bed Linen and Towelling is certified to Oeko-Tex® Standard 100, meaning no harmful chemicals have been used in production from crop seed through to finished and packaged items.

Polesy's Bed Linen and Towelling is manufactured in facilities that are certified to these Standards:

- Oeko-Tex® STeP (Sustainable Textile Production)
- GOTS (Global Organic Textile Standard)
- amfori BSCI (Business Social Compliance Initiative)
- SEDEX (Supplier Ethical Data Exchange)

These International Standards require strict adherence to guidelines on:

- Environmental and chemical management
- Social responsibility and fair working conditions
- Safety and protection of workers
- Continuous improvement of production processes and efficient use of resources



We also have our own international Quality Control teams to ensure production meets our strict manufacturing requirements.

Polesy's Textile Recycling Program

We are currently working to develop a program of end-of-life recycling for all our Bed Linen, Bedding, and Towelling, in cooperation with BlockTexx™, the world's first fully operational chemical textile recycler. Please contact us if this is of interest to you.

Why Choose Polesy as your preferred Bed Linen, Bedding, and Towelling Supplier?

Polesy is a fourth generation Australian-owned business, celebrating 75 years of supplying high quality, fit-for-purpose textile and packaging solutions.

Our team of commercial bed linen, bedding, and towelling experts work collaboratively with you to better understand your requirements and offer solutions to meet your needs.

We have our own network of offices and warehouses around Australia – Sydney, Melbourne, Brisbane, Adelaide and Perth – in which we stock both generic and customer-specific products for rapid turnaround of customer orders.

We also have local manufacturing capabilities for production of unplanned requirements.

Polesy is certified to the following International Management Standards:

ISO 9001:2015 Quality

ISO 45001:2018 Occupational Health & Safety

ISO 14001:2015 Environment



We supply the following:

- Bed Linen – Sheets, Pillow Cases, Quilt Covers and Blankets
- Bedding – Mattress Protectors and Toppers, Pillows and Pillow Protectors, Quilts and Quilt Protectors, Comforters and Bedspreads
- Bathroom Textiles – Bath Towels, Bath Mats, Hand Towels, Face Washers and Shower Curtains
- Plasticware – Toilet Brush Sets and Bins



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