carolina
an OFS company

Four-way stretch
Non-delamination properties prevent peeling and splitting

Chemical resistance
Provides durability and a long-lasting product lifespan

Anti-microbial
Anti-fungal agent prevents microbial deterioration

Breathable
Immersion and envelopment for pressure injury prevention

Recycled yarn
Certified to the Global Recycled Standard for sustainability

Waterproof
Provides a liquid-resistant, wipeable surface

Cleanable
Designed for easy maintenance and sanitation

UV Printable
Odor-free ink that doesn't crack when stretched

SleepShield

SLEEP SURFACE MATERIAL

ENHANCING COMFORT AND DURABILITY

Cleaning agents used in healthcare environments can be harsh on standard polyurethane-coated fabrics. SleepShield is engineered to withstand chemical exposure while maintaining breathable comfort for the user. This durability helps reduce the risk of hospital-acquired infections, extends product lifespan, and minimizes the need for replacement over time. Built on proven bleach-resistant technology and incorporating recycled materials, it is well suited for demanding healthcare applications.

CARE + MAINTENANCE

Routine cleaning:

- Remove spills promptly with a dry, absorbent cloth.
- For general cleaning, use a microfiber cloth with warm, non-alkaline soapy water.
- Rinse thoroughly with clean water and dry with a soft, absorbent cloth.
- Remove bodily fluids promptly, ideally within 15 minutes, using cold water before cleaning.

Disinfection:

- SleepShield is engineered to withstand harsh chemical cleaning commonly used in healthcare environments.
- Its advanced chemical-resistant, bleach-resistant surface supports routine cleaning and disinfection without compromising long-term performance.
- Always rinse thoroughly with clean water after cleaning or disinfecting and allow the surface to dry completely.
- Do not steam clean, as excessive heat and steam can cause damage.

SLEEPSHIELD IS STANDARD IN NAVY BLUE:

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Method	% Active	Dwell time	Post application	Recommendations for use
Chlorine & compounds	1,000 - 10,000 ppm	<10 minutes Strength and microbial target dependant	Rinse and dry	**Acceptable and recommended** 1000ppm is appropriate for day to day cleaning. Up to 10,000ppm may be used to decontaminate. Must be rinsed with clean water and towel dried (avoid harsh abrasion).
Alcohol	70 typical	10 minutes (max)	Rinse and dry	**Acceptable for use and recommended subject to precautions** Coating may swell and be prone to damage. Care must be taken until fully dry (~1hr).
Glutaraldehyde	2	Temperature dependant	Rinse and dry	**Acceptable for use**
Steam Sterilization	n/a	3 mins–134˚C/273˚F 10 mins–126˚C/258˚F 15 mins–121˚C/249˚F 30 mins–115˚C/239˚F	Dry and return to use/store	**Acceptable for use** High temperatures and long dwell times can cause the fabrics to shrink. Verify compatibility with entire mattress system prior to use.
Ethylene Oxide	3	>30 minutes Temperature dependant	Rinse thoroughly and dry before use	**Acceptable for sterilation only** Ensure that appropriate sterilization validation has been completed. Requires cleaning afterwards.
Hydrogen peroxide	3-25%	<5 minutes	Rinse well and dry	**Acceptable for use** Must be fully rinsed. Highly acidic or alkaline peroxides should be avoided as they will damage the coating.
Quaternary ammonium compounds	3-15%	Varies	Rinse and dry	**Acceptable for use and recommended subject to precautions** Some Quaternary Ammonium Compounds are too alkaline. Always check the label first. Quaternary solutions having a pH >10 are not recommended. DO NOT USE QUATs (WIPES) containing sodium hydroxide (NaOH).
Peracetic acid	0.2-0.35	<20 minutes	Rinse and dry	**Acceptable, but not recommended** Acidic pH will damage the cover
Iodophors	75-100 ppm	<20 minutes	If exposed, rinse and dry	**Not recommended** Staining and acidic species which reduce product lifetime.
Phenolics	2-12%	10 minutes	Inspect carefully as high risk of irreversible damage	**Not suitable for use** Irreversible swelling of coating.
Dry heat	n/a	10 mins–126˚C/258˚F 15 mins–121˚C/ 249˚F 30 mins–115˚C/239˚F	Inspect carefully as high risk of irreversible damage	**Not suitable for use** Softens coating to point of failure.