



Fact Sheet:

# Dartex® Zoned Coatings

An innovative concept for medical support surfaces, Dartex® Zoned Coatings by Trelleborg allows different areas of the support surface to perform multiple functions on a single cover.

## Is this the ultimate medical support surface?

### How does it work?

The support surface cover is 'zoned' to create specific areas of functionality in conjunction with targeted areas of the mattress core.

Multiple 'zoning' combinations are possible, depending on the end use of the mattress. Coating options include:

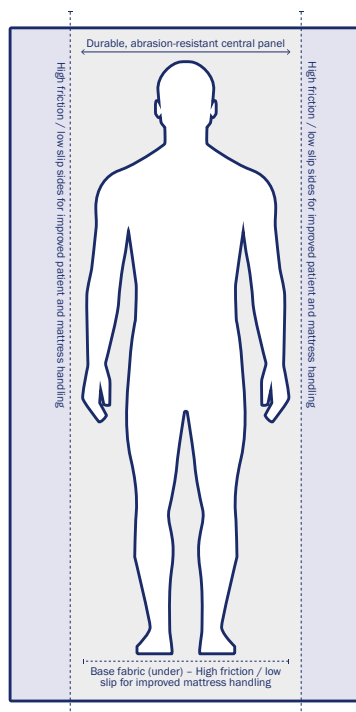
- Abrasion resistance to protect against mechanical damage
- Chemical resistance for durability and long lifetime
- High, Low or Easy Stretch fabric options available:
- High friction / low slip for improved patient and mattress handling
- Highly breathable for patient comfort
- Low friction / high slip for improved patient and mattress handling
- Static dissipation for operating rooms
- Use Zoned Coatings process to change the stretch properties within each zone
- Need something different? Talk to our technical team

#### KEY BENEFITS

- Zone your mattress cover in harmony with the mattress core for ultimate performance.
- Unlimited options and combinations – on one roll of fabric for efficient manufacturing.

**PVC FREE**

- Multiple physical properties without joins, welds or seams.
- Trusted Dartex® polyurethane coating technology from Trelleborg for patient comfort and quality.



	<b>2-way &amp; 4-way stretch</b> No delamination
	<b>71°C &amp; 95°C machine washable</b> Dyed and Scour fabrics available No delamination
	<b>Eco flame retardant: Crib 5</b> BS7175, sources 0, 1, 5 conforms when used with a suitable combustion modified foam CTB117-2013 – Class B
	<b>Anti-Microbial</b> Tested to AATCC Test Method 30 (Aspergillus niger) and ISO 22196 (k. pneumoniae)
	<b>Bio-compatibility</b> (ISO10993-5) Cytotoxicity = < Grade 1 (ISO10993-10) Skin Irritation – classed as non-irritant; Skin Sensitisation – considered to be non-sensitiser
	<b>Fungistatic</b> Contains an anti-fungal / anti-microbial agent to control microbial deterioration; The products do not contain any nano materials
	<b>MVP</b> Breathable
	<b>Waterproof</b> Water penetration resistance/ Hydrostatic head (kPa) 35 minimum; typical 100 (BS3424-26)
	<b>Weldable</b> Nylon fabric options available
	<b>Wipe clean</b> For infection control
	<b>UV Print</b> Innovative, no odour ink that does not crack when stretched and remains breathable in comparison to screen printing <sup>2</sup>

### Recommended cleaning

Always follow the manufacturer's washing instructions.

Refer to Trelleborg Cleaning Guidance for Support Surfaces for additional information.

### Why choose Trelleborg Engineered Coated Fabrics?

We are specialist manufacturers of polyurethane-coated technical textiles for medical applications.

All PU fabrics provide a fluid-proof, virus-proof barrier for infection control. Our

industry leading Dartex® range combines unique stretch and recovery capabilities with breathable, high quality PU coatings, to provide pressure redistribution<sup>1</sup> around the world.

### Contact our technical sales team for specifications and more information:

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 🏢 TrelleborgHM 📄 Trelleborg-healthcare-&-medical

References:  
<sup>1</sup> Hawby, R; Pearce, K; Turton, T; Scott, I; Williams, C. (2019). Support Surface Cover & Core: Working Together in Sweet Harmony. Available for download <https://www.trelleborg.com/en/engineered-coated-fabrics/industries/healthcare-and-medical>  
<sup>2</sup> Laboratory tests show no change to breathability when used on Dartex® Endurance coating, compared to zero levels of breathability when screen printing is used on any coating. Tested to internal specifications.