



# Fact Sheet: Exoskin

This multi-functional, highly stretchable product is used across a number of industries, including Healthcare & Medical, Outdoor and Recreation.

## Key benefits

Exoskin is the stretchiest product in the Dartex® range.

Featuring a high extension, low modulus stretch, Exoskin can be used for pressure redistributing applications within Healthcare & Medical environments, such as prosthetics & orthotics.

With excellent thermo-forming properties when used with foam, Exoskin is also used within medical furniture and seating applications.

Formulated with an aliphatic polyurethane, Exoskin has the added benefit of UV resistance; making it well suited for outdoor uses, such as cuff and neck seals on outdoor apparel, bike seats, body contour apparel, wet suits and kayak skirts.

**PVC FREE**

## Recommended cleaning

### GENERAL GUIDANCE

Always follow the manufacturer's washing instructions. Ask for a copy of the Dartex® Support Surfaces cleaning guidance for further information on compatible chemicals.

- **Protect** by removing spillages promptly with an absorbent dry cloth. General soiling can be handled with a microfibre cloth and tepid, soapy water (non alkaline) to remove the spillage

- **Rinse** with clean water and dry with a soft absorbent cloth. Bodily fluids should be removed promptly (within 15 minutes) with cold water then cleaned as above
- **Dry** thoroughly before returning to use or storage.

## 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 [in trelleborg-healthcare-&-medical](https://www.trelleborg.com/engineered-coated-fabrics/industries/healthcare-and-medical)

		<b>4 Way / high stretch</b> No delamination
		<b>71°C Machine washable</b> Dyed fabrics available No delamination
		<b>Bio-compatibility</b> ISO10993-5 Cytotoxicity = < Grade 1; Presence of Tetraethyl TIN (TeET) via GC/MS analysis (ISO/TS 16179-2012) – fabric substrate <0.5mg/kg
		<b>Flame retardant</b> CTB117-2013 – Class I
		<b>MVP</b> (g/m <sup>2</sup> /24hours) Payne Cup ASTM D1653: 617.7 ASTM E96 method BW: 159.2
		<b>UV Resistant</b> ASTM G151 (modified) 1000h no cracking
		<b>Waterproof</b> Water penetration resistance/ Hydrostatic head (kPa) 35 minimum; typical 100 (BS3424-26)
		<b>Weldable</b> Nylon Elastane Ultrasonic and RF Weldable
		<b>Wipe clean</b> For infection control
		<b>UV Printable</b> Innovative, no odour ink that does not crack when stretched – 5 colour print process

References:  
<sup>1</sup> Haxby, 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>