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Esacote®
Rolflex®

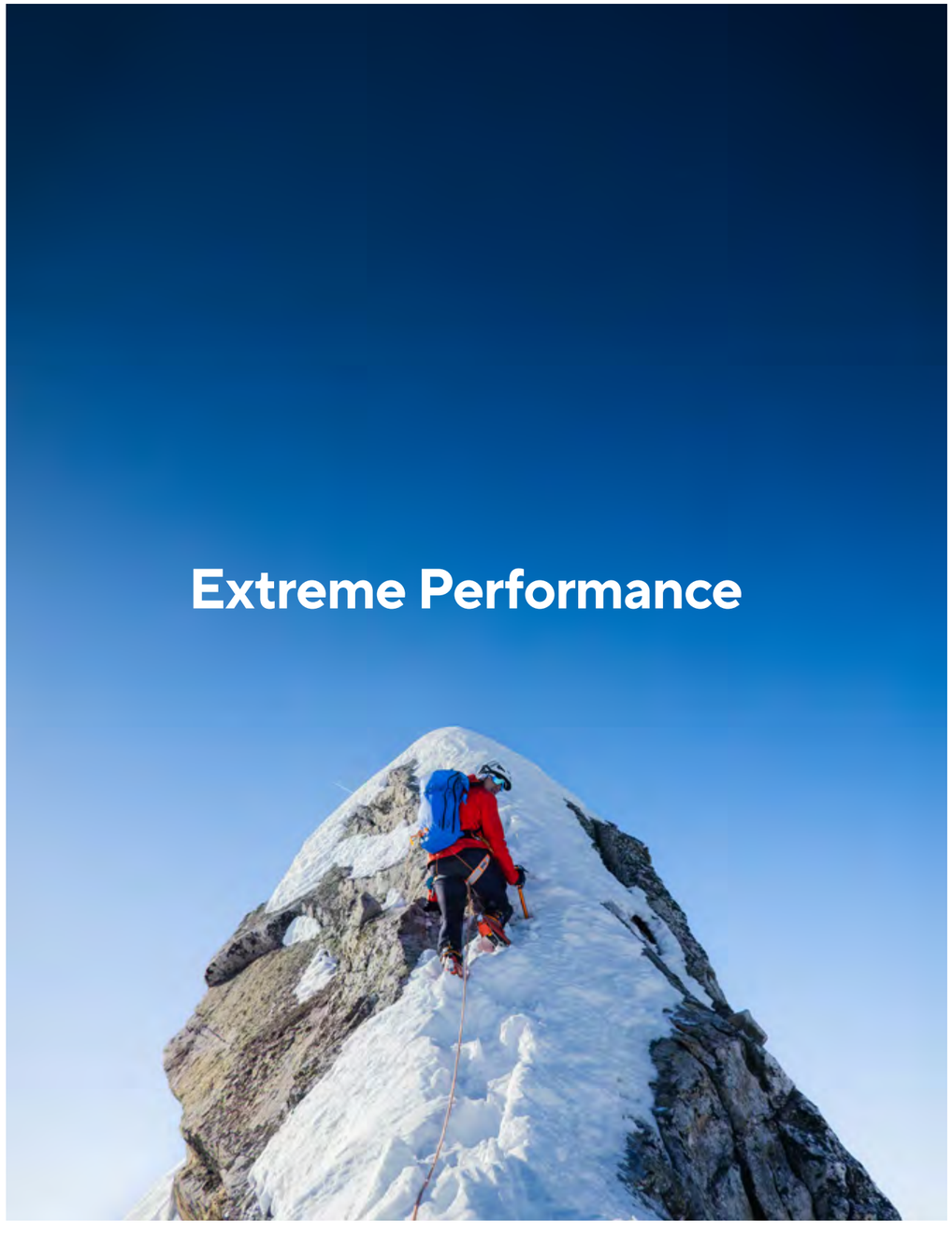
Engineering
your success

Innovation with Purpose

At Lamberti, we connect **deep material science expertise with a commitment to a sustainable future**. Our mission is to enhance the textiles people touch every day—at home, at work, and at play—by creating solutions that protect, nourish, **and improve performance.**

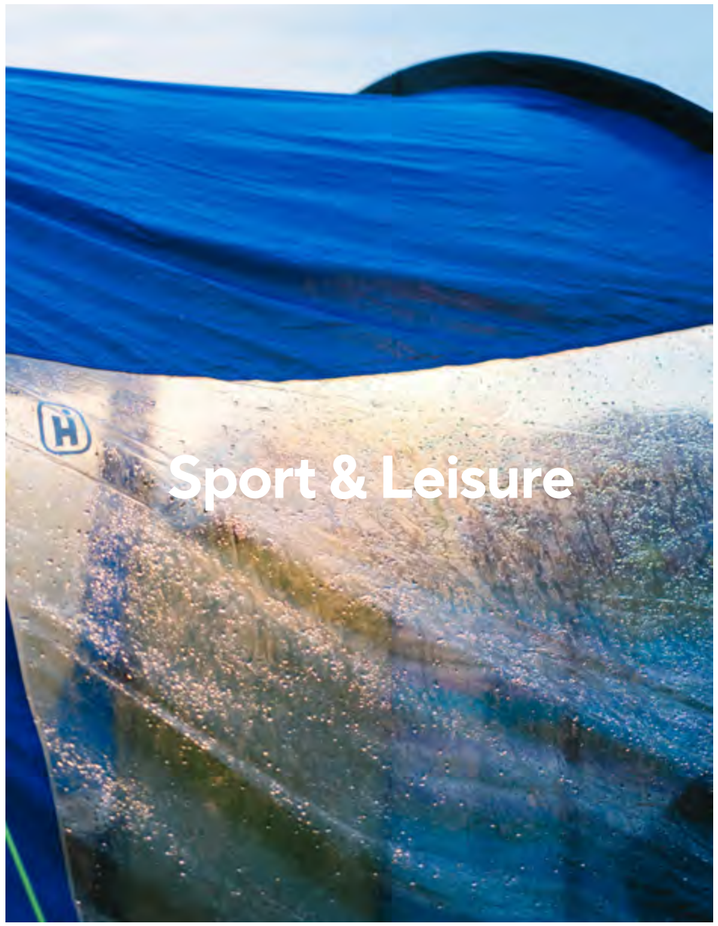
From Sustainability to Extreme Performance

Whether you require ready-to-use coatings or specialized resins for flocking, lamination, or hook-and-loop fasteners, our in-depth application know-how **makes your products more reliable and cost-effective.** Lamberti offers a **comprehensive portfolio of coating, finishing and lamination polymers** designed to meet diverse regulatory and technical requirements across a wide range of operating temperatures.



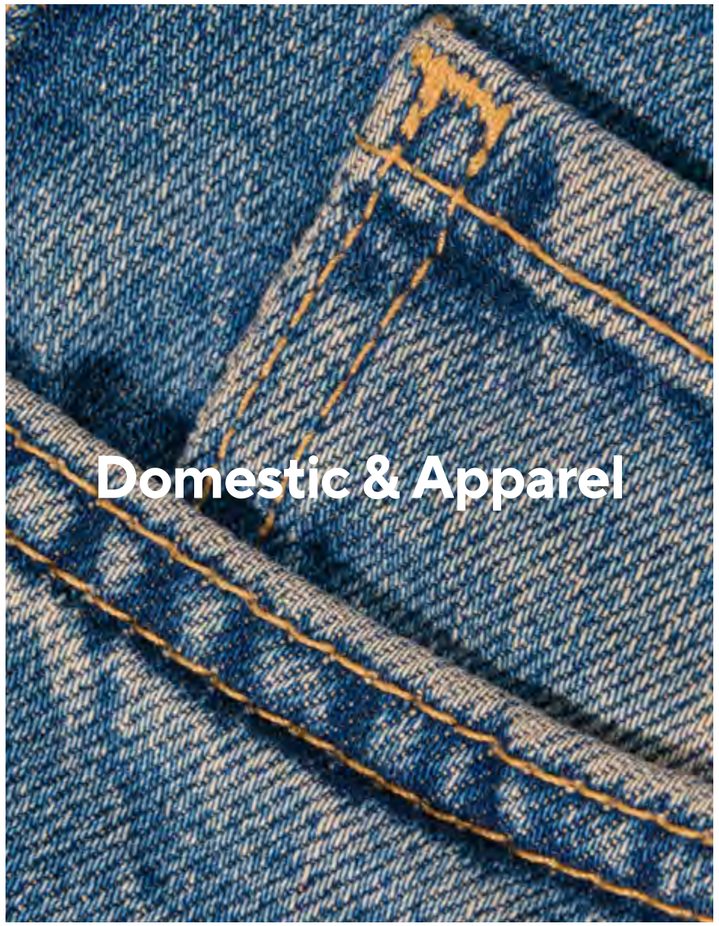
Versatile Applications

Our solutions deliver best-in-class performance across a wide range of sectors:



Advanced coating solutions for tents and outdoor gear, featuring high water-column ratings, superior weather resistance, and long-lasting protection.

High-performance treatments designed to optimize elongation, mechanical strength, and abrasion resistance for ropes, netting, and military-grade webbing, meeting the most rigorous standards for durability.



Premium finishing solutions that enhance the comfort, longevity, and color fastness of dyed and denim fabrics.

1. Sustainable & VOC-Compliant Waterborne solutions

For applications sensitive to VOC emissions and strict environmental regulations—such as fashion and synthetic leather—Lamberti provides advanced waterborne polyurethane technologies:

- **Rolflex® & Esacote®**: These ranges feature eco-friendly, high-performing grades that fit every coating and finishing needs.

Waterborne Polyurethanes For Textile Coating And Finishing

PRODUCT	MAIN CHARACTERISTICS			MECHANICAL PROPERTIES		THERMAL PROPERTIES	APPLICATIONS					INVENTORY	PLUS
	Chemical Nature	Solid content	Co-solvents	100 % Modulus (psi)	Tensile Strenght (psi)	Softening point (°F)	Dry Lamination	Wet Lamination	Printing	Metal Foils	Tie Coat	Status	Description
Esacote® 1013	Aliphatic Polyether	37	Acetone < 1 %	500	3300	248-284		•	•			TSCA, NDSL	Ready-to-use binder for synthetic fabrics, webbing and cordage. Passes MIL spec. For military web. Improves processing properties of stretch webbing. Contains heat reactive crosslinkers.
Esacote® 1019 M	Aliphatic Polyether	36	MEK < 1 %	470	3900	230-248	•		•			TSCA, NDSL	Ready-to-use binder for synthetic threads and webbing. Contains heat reactive crosslinkers.
Esacote® 1073	Aliphatic Polyether	35	MEK < 1 %	1640	5800	302-320	•	•		•		TSCA, DSL	Coating with very firm hand finishing.
Rolflex® PN	Aliphatic Polyester	30	Acetone < 1 %	70	145	110-150	•	•	•	•		TSCA, NDSL	Efficient garment dyeing with reduced roller build-up.
Rolflex® SW 3	Aliphatic Polyether-Siloxane	35	Acetone < 1 %	115	290	110-150	•	•	•	•		TSCA, NDSL	Denim finishing for a soft hand-feel and lasting anti-pilling protection.

High-Performance Adhesives for Textile Lamination

Textile coating aims to create a uniform, stable layer with excellent adhesion across various substrates. This is achieved through two primary methods:

- **Direct Coating:** The chemicals are applied directly onto the fabric.
- **Transfer Coating, or indirect coating:** The coating is applied onto a temporary release paper and then laminated to the textile. This process is essential for achieving specialized finishes in synthetic leather and garment production.

A laminated fabric consists of two or more layers—at least one being a textile—that are bonded via an adhesive or the thermoplastic properties of the component layers.

- **Rolflex® & Esacote®**: These ranges offer eco-friendly, high-quality bonding without compromising the hand-feel and durability of the finished fabric.

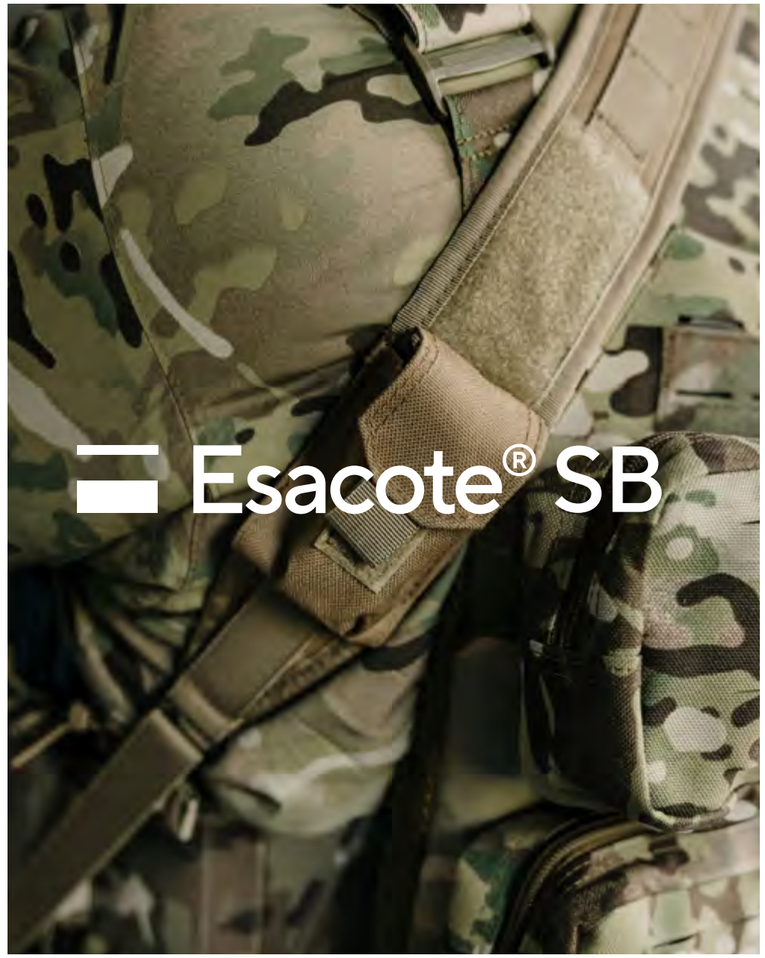
Waterborne Polyurethanes For Textile Lamination

PRODUCT	MAIN CHARACTERISTICS			MECHANICAL PROPERTIES		THERMAL PROPERTIES	APPLICATIONS					INVENTORY	PLUS
	Chemical Nature	Solid content	Co-solvents	100 % Modulus (psi)	Tensile Strenght (psi)	Softening point (°F)	Dry Lamination	Wet Lamination	Printing	Metal Foils	Tie Coat	Status	Description
Rolflex® ADT/7	Aliphatic Polyether	35	DMM 5.3 %	145	1015	392-410		●				TSCA, DSL	Durable lamination adhesive with superior water and hydrolysis resistance.
Rolflex® DAK 07	Aliphatic Polyether	40	MEK < 1 %	200	580	248-284	●	●				TSCA, DSL	Specialized lamination adhesive for textile and leather.
Rolflex® T 63	Aliphatic Polyether	35	DMM 5 %	360	2610	248-284	●				●	TSCA, NDSL	Universal adhesion booster for PVC and polyester.
Esacote® PU 4024	Aliphatic Polyester	37	Acetone < 1 %	390	3500	230-248	●				●	TSCA, NDSL	Ready-to-use coating and adhesive for films and synthetic fabrics. Contains a heat reactive crosslinker. Also, is a excellent fabric adhesive when used with an epoxy crosslinker.
Rolflex® AP NEW	Aliphatic Polyester	30	DMM 3 %	220	1450	356-392		●	●			TSCA, NDSL	Finishing binder for flexible pastes and soft-handle finishes. Biobased version available.
Rolflex® D 8	Urethan-acrylic	35	Acetone < 1 %	800	2320	284-302	●	●	●	●		TSCA, DSL	Binder for dry lamination with high weathering resistance, water and chemical fastness, and digital printing solutions with good printability.
Esacote® 1368	Aliphatic Polyester	40	MEK < 1 %	NA	NA	122-140	●					TSCA, NDSL	2K low heat activation adhesive.

2. High-Performance & Industrial | Solvent-Based solutions

For technical textiles requiring extreme mechanical resistance and durability in harsh environments:

- **Esacote®SB**: Our solvent-based solutions are engineered for top-tier performance in **military gear, work-wear, and industrial applications**, where bond strength and resistance to laundering or environmental stress are critical.



Solvent-Based Polyurethanes For Textile Lamination

PRODUCT	MAIN CHARACTERISTICS			APPLICATIONS					INVENTORY	PLUS
	Chemical Nature	Solid content	Solvents	Textile Lamination	Synthetic Lamination	Tie Coat	Transfer Coating	Direct Coating	Status	Description
Esacote® SB 6629	Aliphatic Polyether	25	49% DMF, 19% toluene, 7% IPA	●	●	●	●		TSCA, DSL	Tie coat with UV stability, thermal stability, hydrolytic stability. Provides soft hand to fabric.
Esacote® SB 8980	Aliphatic Polyether	40	29% IPA, 19% toluene, 10% xylenes	●			●		tbd	Top coat with excellent abrasion resistance, good clarity and thoughness.
Esacote® SB 12690	Aliphatic Polyether	35	32% DMF, 24% toluene, 9% MEK					●	TSCA, NDSL	Top coat with soft hand, good chemical resistance, flexibility, hydrolysis resistance. Also base coat with outstanding adhesion onto nylon, polyester and vinyl.
Esacote® SB 326	Aliphatic Polyester	25	50% toluene, 25% DMF	●		●	●		TSCA. DSL	Skin or tie coat in fabric-to-fabric laminations or fabric coating, with very high bond strenght with PVC, PU and PVDC, hydrolytic durability, washing/dry cleaning resistance when crosslinked

3. Specialty Niche Applications

Beyond standard solutions, Lamberti's specialty polymers cover specific niche requirements in the lamination market, ensuring optimal adhesion and flexibility across a broad thermal spectrum.