



ESSEKAN

NATURAL SYNTHESIS

ENGINEERED IN ITALY. MANUFACTURED IN INDIA.

Designed for the world's most demanding environments.



*Seamlessly engineering yarns to deliver
application-ready performance.*

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Engineered Solution-dyed Olefin yarns built for demanding textiles,
indoors, outdoors, and everything in between.

Who are we?

Essekan is founded on the collaboration between **Essegomma's** expertise in Solution-dyed Olefin multifilament and Taslan yarn engineering, and **Kanpur Plastipack's** five decades of experience in woven and polymer-based technical products. The company specializes in engineered Solution-dyed Olefin yarns designed to perform reliably in demanding applications, including outdoor and upholstery fabrics, automotive interiors, rugs, premium textiles, and other technical sectors.

By combining engineering insight with production expertise, Essekan creates yarns that deliver stability, durability, and consistent performance across varied environments. These yarns are antibacterial, anti-odor, fast-drying, easy to clean, and dry faster than both natural and conventional synthetic yarns.



A *Partnership* of Engineering Excellence



ESSEGOMMA S.P.A., ITALY

Essegomma brings over four decades of specialized expertise in engineered Solution-dyed Olefin and multifilament yarn development. Its advanced mastery of air-textured and technical yarn technologies plays a decisive role in defining yarn structure, dimensional stability, and long-term durability, ensuring consistent performance under UV exposure, moisture, abrasion, and prolonged use.

Role in Essekan

- Technology leadership driving advanced yarn engineering
- European-grade engineering standards ensuring precision and consistency
- Deep process know-how supporting performance-driven innovation

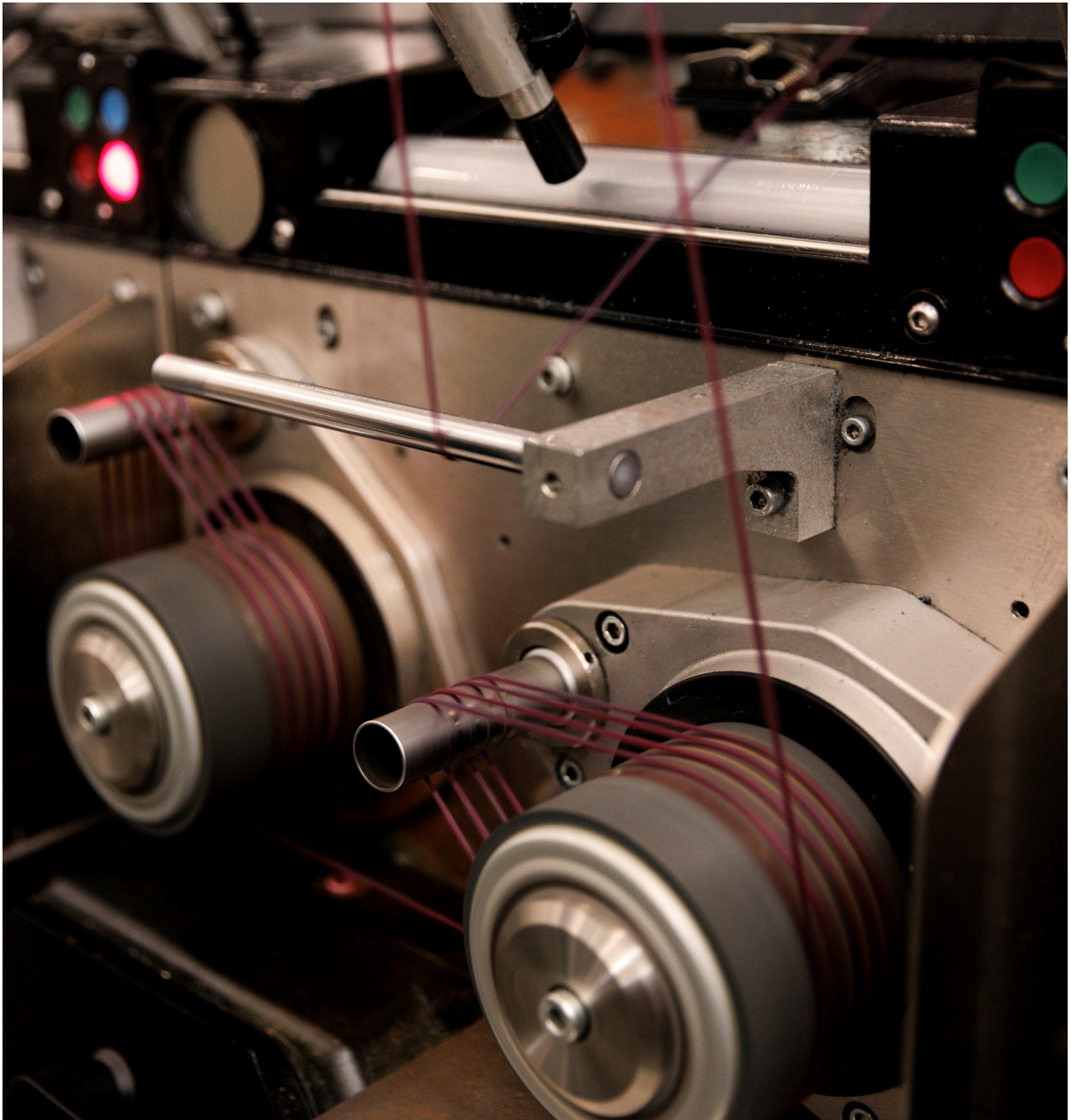


KANPUR PLASTIPACK LTD., INDIA

Kanpur Plastipack Limited brings over five decades of experience in polymer-based technical manufacturing. Its disciplined production systems and robust operational infrastructure enable consistent, repeatable quality at scale, ensuring reliability across volumes and applications.

Role in Essekan

- Manufacturing execution with process-driven precision
- Scalable infrastructure supporting sustained production demands
- Reliable supply backed by controlled and predictable lead times



Engineering & Customisation ***Capability***

Essekan provides application-aligned engineering and controlled manufacturing processes that ensure performance consistency.

CAPABILITIES

Cone size customisation (meter-based)

Denier variation

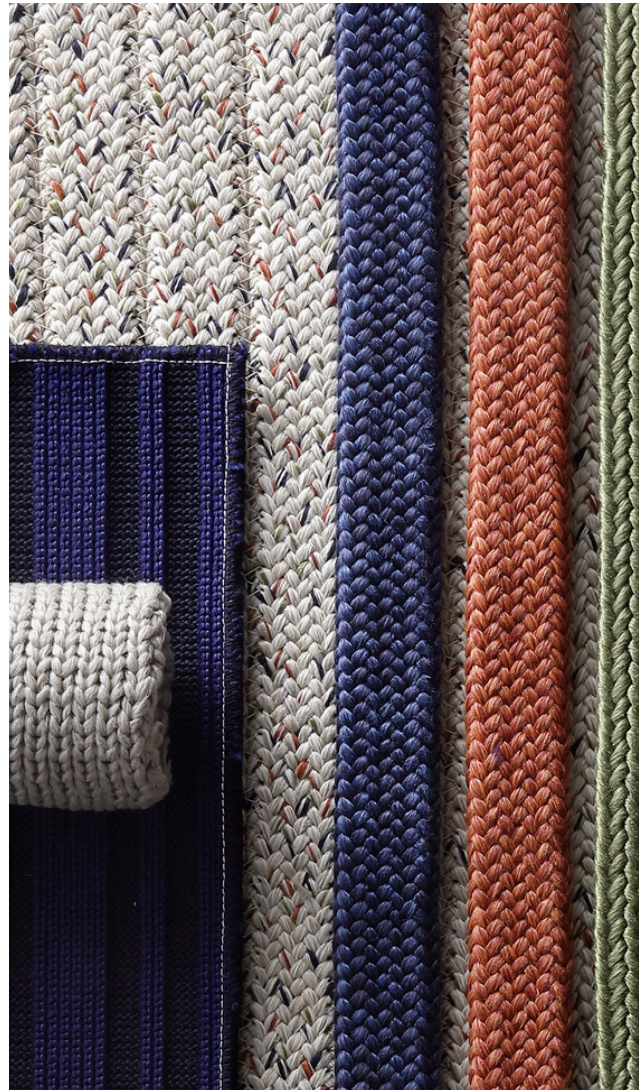
Softness / hardness control

Custom bobbin design and shape

DIGI CONE (SSM) winding systems

Equal-length bobbins

Low wastage, low manpower, energy-efficient operations





Product Portfolio

FDY

FDY yarns offer a smooth, silk- or viscose-inspired appearance with high lightfastness, stain resistance, and antibacterial properties. Available in bright or dull effects, twisted or intermingled, FDY is ideal for cut-pile and velvet applications and for blending to enhance fabric performance and color depth in rugs, upholstery, and knits.

TASLAN

Taslan yarns feature a linen- or cotton-inspired look with high resistance and a firm, authentic hand feel, evoking the natural warmth and texture of traditional fibers.

SUPERTASLAN

SuperTaslan yarns combine a wool-inspired, refined appearance with high durability, pilling resistance, and a soft hand feel uncommon in synthetics. Produced using patented technology, they deliver both performance and elegance.

Properties Of The *Yarn*



100% Recyclable

Fully recyclable, with production and post-use waste regenerated into reusable material.



Baby Friendly

OEKO-TEX® Class 1 certified, safe and comfortable for direct contact with infant skin.



Ultra Soft

Multiple fine filaments deliver a smooth, silky, and luxurious hand feel.



Sanitizable

Hypoallergenic, anti-odor, and easily sanitized; safe for food-contact applications.



Properties Of The *Yarn*



Stain Resistant

Repels dirt and stains, keeping surfaces pristine; machine washable at 30°C with minimal detergent.



Super Resistant

Durable under UV, wind, rain, and mechanical stress, maintaining color and integrity over time.



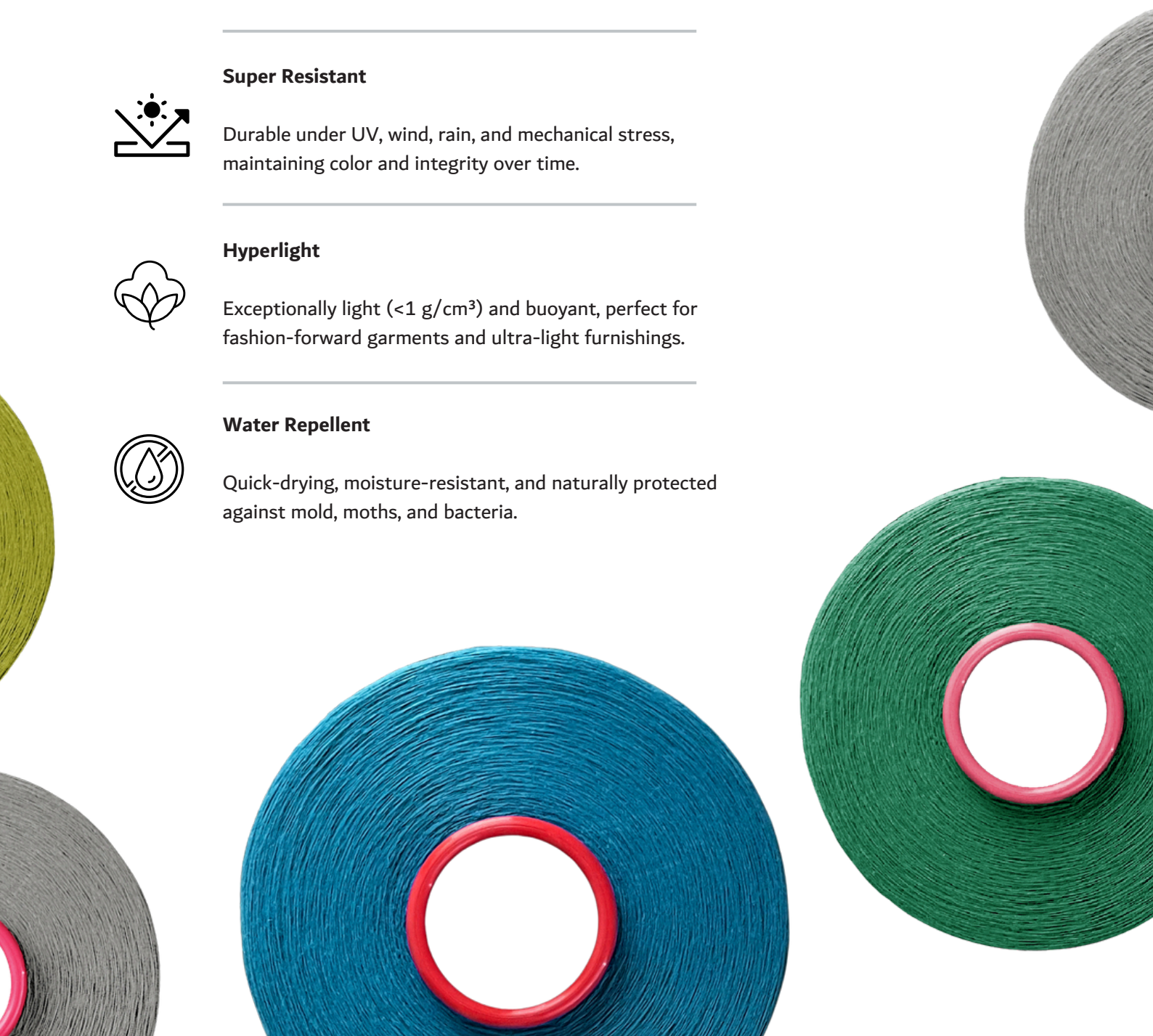
Hyperlight

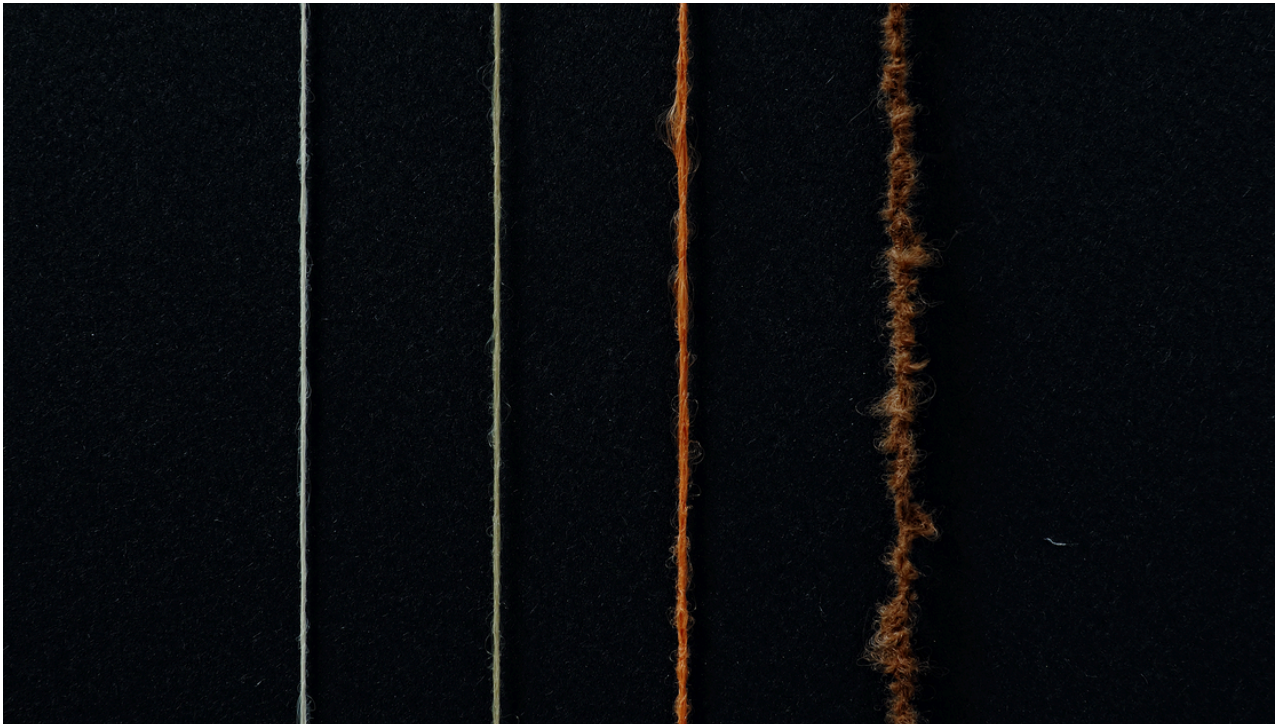
Exceptionally light ($<1 \text{ g/cm}^3$) and buoyant, perfect for fashion-forward garments and ultra-light furnishings.



Water Repellent

Quick-drying, moisture-resistant, and naturally protected against mold, moths, and bacteria.





FDY	TASLAN	SUPERTASLAN
300 den 30,000 Nm	330 den 27,273 Nm	1800 den 5,000 Nm
600 den 15,000 Nm	660 den 13,636 Nm	3000 den 3,000 Nm
800 den 11,250 Nm	1200 den 7,500 Nm	
1000 den 9,000 Nm	2400 den 3,750 Nm	
1200 den 7,500 Nm		
1400 den 6,430 Nm		
1600 den 5,625 Nm		
2000 den 4,500 Nm		

Technical Data

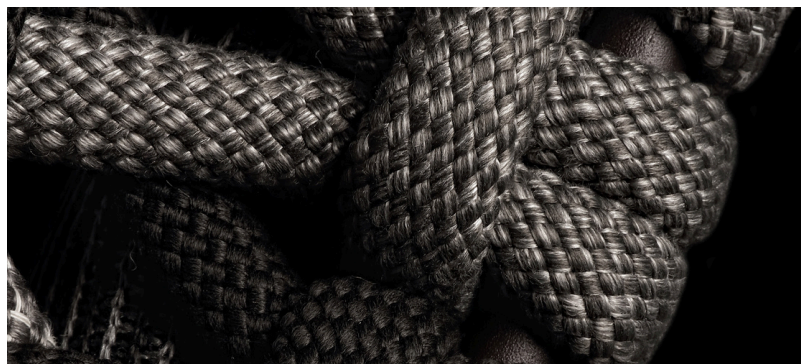
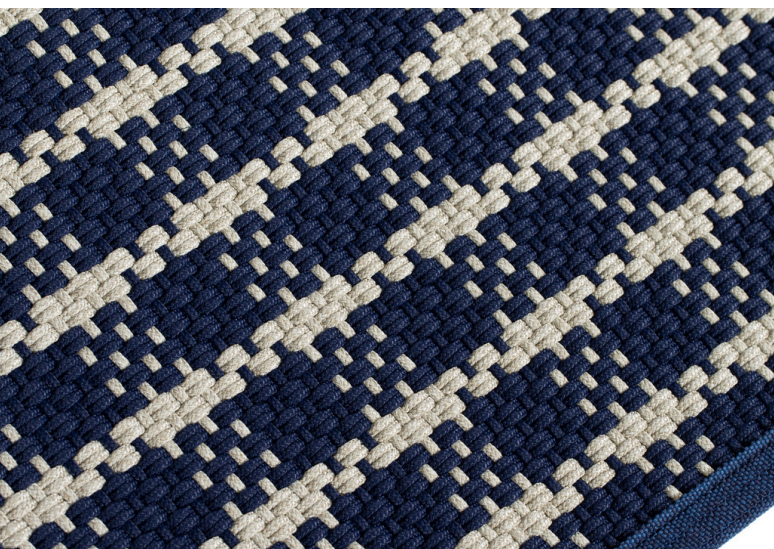
Essekan develops solution-dyed olefin yarns using patented technologies to achieve a refined, natural hand feel without compromising technical performance. Each yarn is engineered as a long-term solution, delivering consistent quality, durability, and reliability over extended use. Designed for both indoor and outdoor environments, Essekan yarns balance comfort with structural resilience and enduring aesthetic stability.



Every product undergoes rigorous engineering validation and is qualified against the highest laboratory benchmarks. Essekan yarns are tested for:

- UV stability
- Lightfastness
- Resistance to pilling, staining, and intensive use
- Recyclability

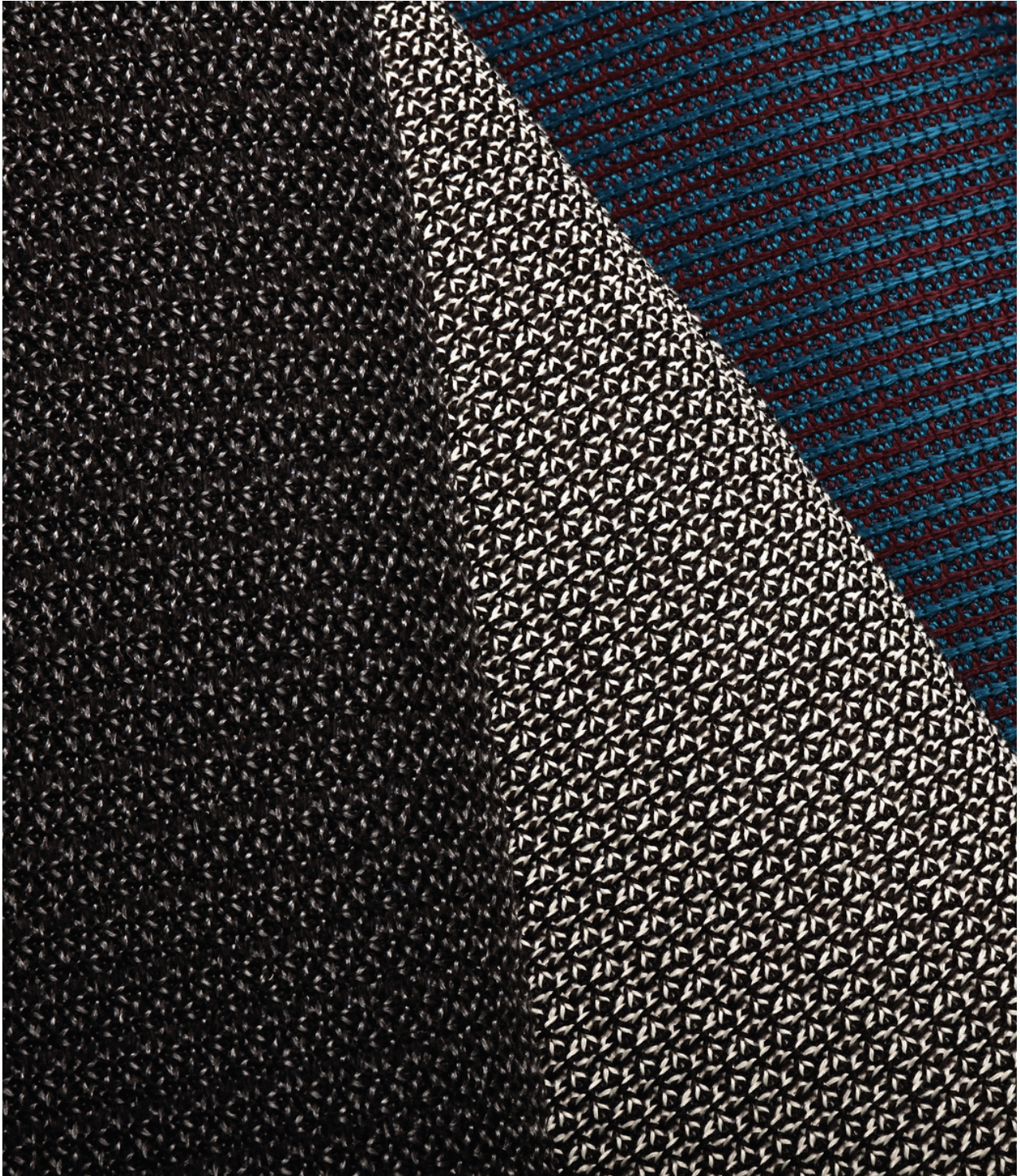
Applications





ROPES

High-tenacity yarns engineered for superior strength, abrasion resistance, and dependable performance.



UPHOLSTERY FABRICS AND CURTAINS

Yarns engineered to deliver lasting durability, refined hand feel, and dimensional stability for elegant interiors.



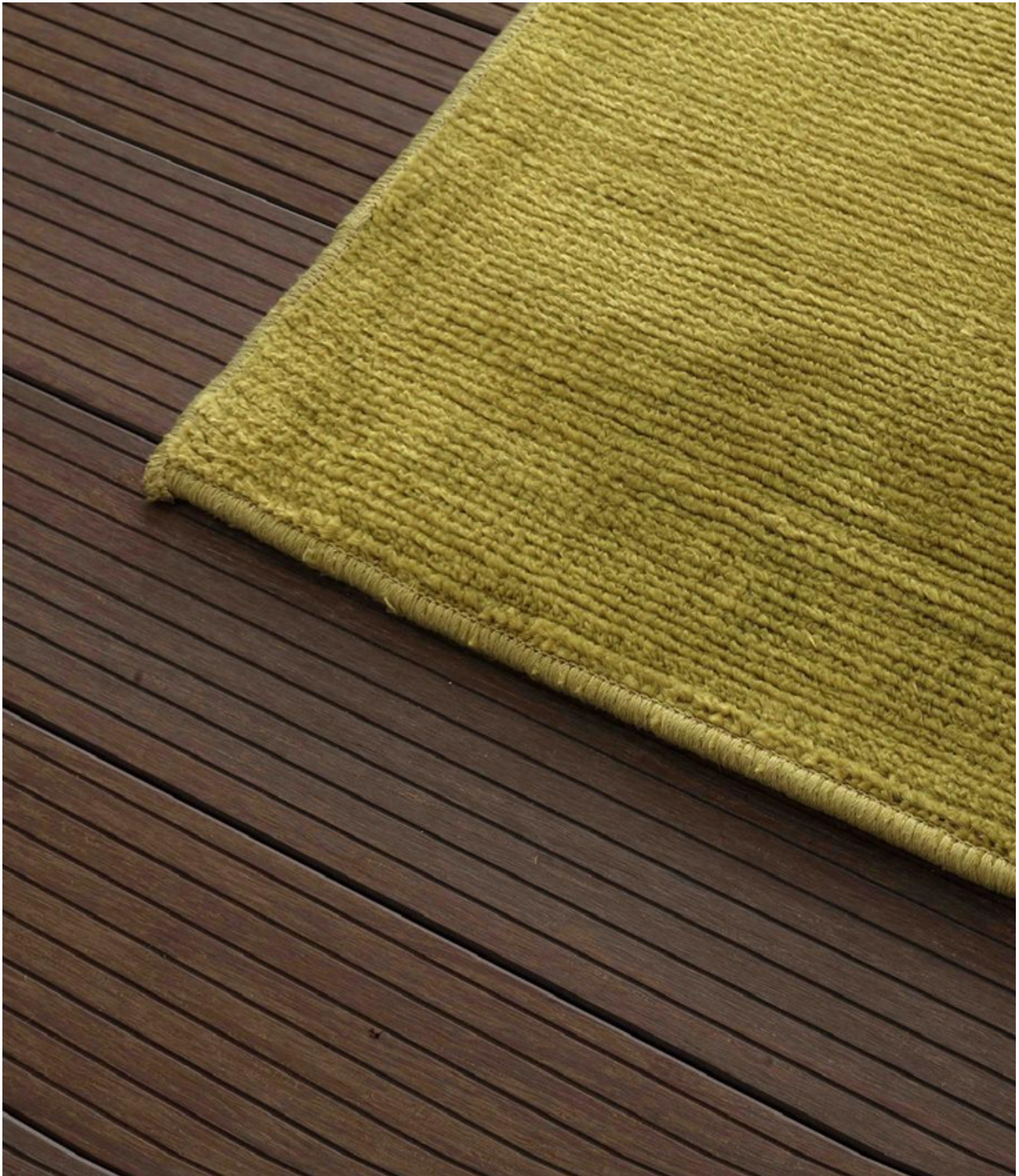
HOME ACCESSORIES

Durable, color-stable yarns designed to maintain aesthetics and performance in everyday living environments.



OUTDOOR FURNITURE

Weather-resistant yarns offering UV stability, long-term comfort, and enduring visual appeal outdoors.



RUGS

Resilient, color-rich yarns engineered for durability, texture retention, and consistent surface performance.



KNITTING

Soft yet strong yarns engineered for excellent stitch definition and refined fabric quality.

*Each yarn we manufacture is designed keeping in mind
the application it is personalized for.*

EK

Colours & Finishes

With **400+ colours** and extensive customisation possibilities, Essekan offers an expansive spectrum of shades designed to support complete, coordinated collections.

From subtle neutrals to bold, expressive tones, the focus remains on delivering repeatable shades, stable finishes, and the freedom to create without compromise.



Infrastructure & Quality Control

MANUFACTURING LOCATION KANPUR PLASTIPACK LTD., UNIT 3

Essekan operates from Kanpur Plastipack's dedicated Unit 3, a purpose-designed facility for high-volume production of technical Solution-dyed Olefin yarns under exacting, repeatable standards.

Installed Capacity (Phase 1) ~750 MT per month

With this capacity, Essekan stands among India's leading producers of engineered Taslan and multifilament yarns, supporting both domestic and global demand with consistency and scale.



Quality Parameters

- High DPF ensuring controlled fluffiness
- Uniform bobbin length and size
- Color delta maintained below 0.3
- Exceptional light, weather, and UV fastness
- Consistent GPD for reliable performance
- Batch-to-batch consistency

Quality control is integrated across every stage of production, guaranteeing uniform structure, precise color, and dependable performance across all yarns.

Certifications & Sustainability



PRODUCT CERTIFICATIONS

- OEKO-TEX Standard 100, Tested safe for direct human contact

PRODUCT PERFORMANCES IN ACCORDANCE WITH

- ISO 105 B04, Colour stability under prolonged weather exposure
- ISO 105 B02, High resistance to fading from light exposure

SUSTAINABILITY



Essekan yarns can be labeled as 100% recyclable, supporting a circular material lifecycle



OEKO-TEX certified, ensuring non-toxic, safe textiles



Extended product life, minimizing waste and maximizing durability



ESSEKAN
NATURAL SYNTHESIS

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