

GreenScreen Sea-Tex[®]

Solar control fabrics made with recovered ocean-bound plastic







First things first

Before even a single piece of plastic is collected, a coastline in need is identified. Today's world offers no shortage of communities requiring assistance in cleaning and maintaining their coasts. BIONIC® doesn't just jump in and start operations; they first gain community support for local clean-ups and recycling efforts. Diverting plastic before it reaches the ocean is key. BIONIC® then builds infrastructure, from recycling drop-off points to advanced sorting and shredding facilities.



BIONIC® is a material engineering company supplying the consumer and industrial markets with fully traceable, high-grade textiles and polymers, made with coastal and marine plastic.

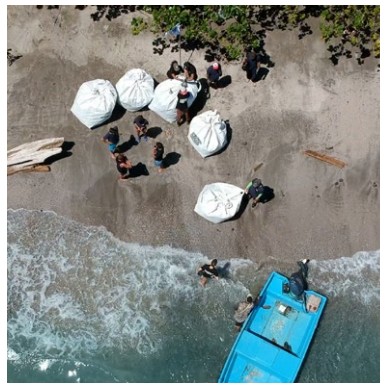
GreenScreen Sea-Tex®

How does it work?



1 COLLECTION

After garnering community support and setting up systems, collecting ocean-bound plastic waste is the first step. BIONIC's methods include self-service recycling stations, direct collection from businesses and coastal cleanups.



2 TRANSPORT

An often overlooked aspect of the supply chain is transport. Collecting in remote corners of the world requires a network of local trucking routes and for far-flung beach cleanups, boats and all-terrain vehicles come into play.



3 PROCESSING

Once BIONIC® extracts plastic from the environment, work begins. In the processing stage, reclaimed plastics are prepared for a new life. This involves sorting by material and colour, compacting, grinding and warehousing in a regional facility near the collection site.



Good to know:

The term "ocean-bound plastic" (OBP) is a relatively recent addition to environmental discourse. It serves as a concise descriptor for plastic waste collected from coastal areas, extending from 100 meters into the sea to 50 kilometers inland.



4 PELLETTISING

The moment old plastic becomes something new. Ground flakes are cleaned, melted, and transformed into pellets.



5 YARN

Ocean-bound plastic pellets, mixed with virgin polyester pellets, are re-melted and extruded into long filaments. These filaments are spun into FLX yarn, forming the basis for GreenScreen Sea-Tex® solar control fabrics.



6 WEAVING

Recycled ocean-bound plastic yarns are woven to create GreenScreen Sea-Tex® fabric.



7 FINISHING

Dyeing and finishing of the woven GreenScreen Sea-Tex® fabric.





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OBP CONTENT

The plastic collected and processed by BIONIC's coastal plastic recovery operations is OCEAN-BOUND PLASTIC certified by Control Union.

Certificate number:
C880016OBP.COL-01

DIRECT ACTION

The GreenScreen Sea-Tex® project, initiated by Hunter Douglas in collaboration with material innovator BIONIC® Yarn, turns recovered ocean-bound plastic (OBP) into high-quality fabrics and are available for roller blinds, plissé shades and vertical blinds.

HOW DOES IT WORK?

BIONIC® believes in the importance of knowing where the things you buy come from. Raw materials are traceable and we know their origins, from the country, the community, sometimes even the very beach - because BIONIC® is there when they are collected.

At Luxaflex® our window treatments start with great design. Light control, energy efficiency, and the convenience of smart home automation are just some of the innovations that enhance the beauty of every room, every day – made to measure with a five-year guarantee.

The Art of Window Styling

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Let's talk

Together with our local expert, you can look at inspiration for your room and get to know the products and materials you like.



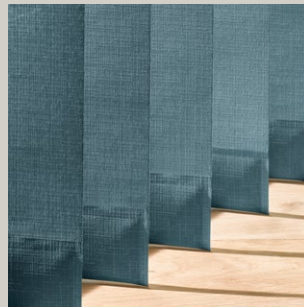
Home consultation

Your local expert measures your dimensions, assesses your lighting, and makes sure everything is perfectly designed for your home.



Craftsmanship guaranteed

Your bespoke product will be handmade with care and attention to detail by our skilled craftsmen.



Seamless installation

Relax and let Luxaflex® professionals do what they do best, knowing you're covered under our 5 year guarantee.

