



RECOS 2



RECOS 



RECOS
DESIERTO, RÍO, DUNA

MEXICAN COMPANY
SIMIL CUERO PLYMOUTH
DEVELOPS RECOS, THE FIRST
ECOLOGICAL SYNTHETIC
LEATHER OF ITS KIND.

The name of this new eco-friendly synthetic leather represents the origins and evolution of a new creative facet for SIMIL CUERO PLYMOUTH, a company in which Recycling, Ecology and Sustainability have always been contemplated in all work processes.

RECOS 

WHAT ARE THE RECOS COLLECTIONS MADE OF?



RECYCLED COTTON YARN

—
RECYCLED POLYESTER YARN

—
RECYCLED POLYESTER
NON WOVEN (NW)

—
CORN/WHEAT-BASED BIOPOLYMER

—
POLYURETHANE (PU)

RECOS

ZAPOTE, CHOCOLATE, TAMARINDO, MIEL



Our recycled yarns are certified with GRS and all the textiles we produce have OEKO-TEX Standard 100 certification.

The RECOS line consists
of a RECYCLED TEXTILE SUPPORT.

This support can be coated
with polyurethane or a
corn/wheat-based BIOPOLYMER.





In the case our biopolymer, the corn/wheat-based raw material is obtained through safe practices for farmers and the environment, in compliance with the United Nations' Sustainable Development Goals (SDG), including Conservation on Biological Diversity.

Combinations depend on each project, as the RECOS line can be adapted to the needs of the customer and the market.



RECOS
DESIERTO, RÍO, DUNA

HOW IS RECOS MADE?

**DISCOVER OUR ECOLOGICAL
COLLECTIONS**

RECOS
DESIERTO ZAPOTE

1. FLAT WEAVE BACKING

2. STRETCH BACKING
TRICOT

3. NON-WOVEN BACKING
NON WOVEN

1. FLAT WEAVE BACKING

1.- WARP

This process consists of winding the threads around an industrial bobbin.

2.-FLAT WEAVE

This fabric is created by intertwining two or more threads, so that they can intersect at right angles.

In the case of Recos, the warp is made of 100% recycled polyester and, the weft, of polyester and 100% recycled cotton.

3.- BRUSH

The surface of the fabric is modified by breaking the fibers of the yarns. The resulting plush finish adds volume and softness to the material, improving the technical features of the final product.



*ALL OF THE RECOS COLLECTIONS CAN BE CUSTOM-DEVELOPED WITH PLANT-BASED BIOPOLYMERS (CORN/WHEAT).

GRAIN

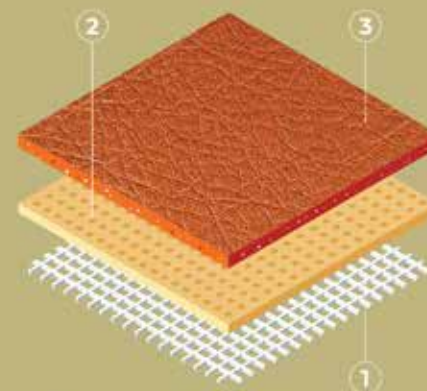


RECOS FLAT WEAVE BACKING

1. **FLAT WEAVE**
Recycled cotton and polyester yarn

2. **COAGULATED BASE**

3. **PU / BIOPOLIMER COATING**



12,000 liters
of water saved
/ linear meter



8.2 600ml PET
bottles
/ linear meter

FEATURES

USES	BACKING	THICKNESS (mm)
<ul style="list-style-type: none">• Shoes (upper)• Upholstery• Bags• Belts• Cases...	<ul style="list-style-type: none">• FLAT WEAVE Recycled cotton and polyester yarns	1.05 mm



WHERE DOES OUR COTTON COME FROM?



One of the yarns we weave **RECOS'** support with is made of recycled, post-industrial cotton fibers.



These yarns allow us to reduce four times the product's **CO2 footprint**, compared with conventional yarn, saving **110,000 liters of water per kilo of yarn**.



No harmful substances such as insecticides and chemical fertilizers are generated during the production process.
In terms of land use, our yarns need **0.08 square meters**, as opposed to **4.8 m2** in the case of conventional yarn.



Our engineers have managed to streamline our processes, saving of up to **66.66% of electric energy**.

OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100 

Our recycled yarns are certified with GRS and all the textiles we produce have **OEKO-TEX Standard 100** certification.



2. STRETCH BACKING TRICOT

The backing of Recos Stretch is a tricot fabric, woven with 61.3% recycled polyester.

This recycled polyester is obtained from **post-consumer recovered PET bottles**.

Each linear meter of **RECOS Stretch** prevents **7.6 plastic bottles** from being thrown into the sea.

Our **TRICOT** looms allow for a great variety of fabrics, including the ability to stretch, resulting in elastic and durable materials.



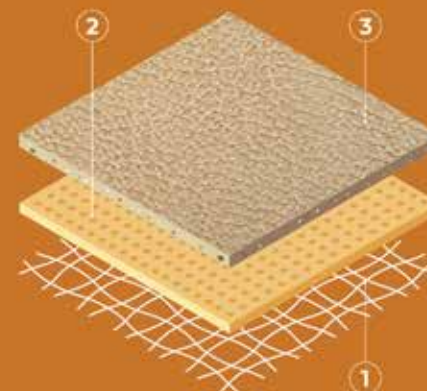
***ALL OF THE RECOS COLLECTIONS CAN BE CUSTOM-DEVELOPED WITH PLANT-BASED BIOPOLYMERS (CORN/WHEAT).**

GRAIN



RECOS STRETCH TRICOT BACKING

1. **TRICOT**
61.3% recycled polyester
2. **COAGULATED BASE**
3. **PU / BIOPOLIMER COATING**



7.6 600ml PET bottles
/ linear meter

FEATURES

USES	BACKING	THICKNESS (mm)
<ul style="list-style-type: none">• Shoes (upper)• Upholstery• Bags• Belts• Cases...	<ul style="list-style-type: none">• TRICOT 61.3% recycled polyester yarn	<ul style="list-style-type: none">0.8 mm1.0 mm1.2 mm

3. NW BACKING NON WOVEN

This is a Non-Woven (NW) fabric made from 100% recycled polyester (GRS certified), obtained from post-consumer PET bottles.

Each linear meter of **RECOS** manufactured with this material prevents **4.7 plastic bottles from being thrown into the sea.**

The use of regenerated material prevents the emission of **CO2** and the use of water and energy that would be necessary for the production of virgin polyester, which contributes to a significant reduction of the fabric's ecological footprint.

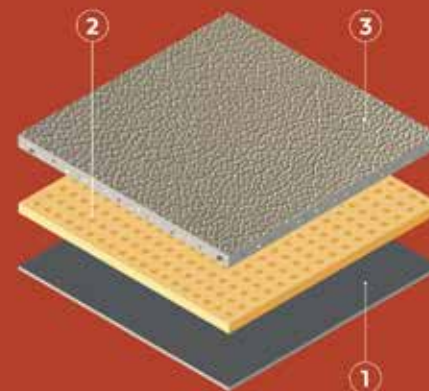


GRAIN

***ALL OF THE RECOS COLLECTIONS CAN BE CUSTOM-DEVELOPED WITH PLANT-BASED BIOPOLYMERS (CORN/WHEAT).**

RECOS FORRO NW BACKING

1. **NON WOVEN**
100% recycled polyester
2. **COAGULATED BASE**
3. **PU / BIOPOLIMER COATING**



4.7 600ml PET bottles
/ linear meter

FEATURES

USES	BACKING	THICKNESS (mm)
<ul style="list-style-type: none">• Shoe (lining)• Notebooks/binding• Belt lining• Cases...	<ul style="list-style-type: none">• 100% recycled polyester NW	0.7 mm 1.1 mm 1.4 mm

COAGULATED BASE AND COATING

1.- COAGULATED BASE

A PU or biopolymer-based resin is applied to the textile support.

2.- COATING

This is where the aesthetic features are added, with an additional layer of polyurethane.

Attributes such as texture, color and resistance are obtained here. The latter is related to greater durability, essential in our quest against waste and ephemeral fashion.



RECOS
DESIERTO, TAMARINDO Y ZAPOTE

USES

A serious commitment with cutting-edge research and technology has allowed SIMIL CUERO PLYMOUTH to develop processes and materials with the least possible impact on the environment, attending the needs of a large number of industries and markets:

Simil Cuero Plymouth has worked with leading designers in the footwear, leather goods and apparel industries.

In partnership with our customers, we develop materials with special features such as increased durability, specific colors, breathable and/or antibacterial linings, elastic patent leather for boots, or custom-designed prints, to name a few.

MORRAL

By Salvador Compagn,
Lordag & Sondag.



FOOTWEAR
—
LEATHER GOODS
—
AUTOMOTIVE
—
APPAREL
—
UPHOLSTERY
—
BINDING
—
INTERIOR DESIGN





SUSTAINABLE PRACTICES

WHERE DO THE SUBSTANCES USED ON THE PRODUCTION OF RECOS GO?

WATER TREATMENT PLANT (PATR)

The process with which we treat 100% of our wastewater consists of 4 stages:

1. HOMOGENIZATION OR ACCUMULATION:

All the water (production, restrooms, kitchen) is gathered in this step.



2. BIOLOGICAL DEGRADATION:

The water is directed to a reactor, in order to degrade the color and remove all polluting substances.



3. DECANTATION:

The solids are separated from the liquid. From this point on, the quality of the water complies with the guidelines of the official CONAGUA standards, but we have added an additional step.



4. FILTRATION AND REUSE:

The water goes through sand, activated carbon and ion exchange filters to remove any residual odor, color or hardness.





Some of the practices that have made a significant difference within the industry are:

ZERO WATER WASTE

70% of the water is reused in our production processes, and the rest is used for irrigation and sanitary facilities.



CLEAN ENERGY

Other practices that benefit the environment are the **use of clean energies**, reducing our CO2 emissions by 20%.

In all processes, **Simil Cuero Plymouth** has eradicated the **use of heavy metals and phthalates**.

Complying with the REACH guidelines is another example of our commitment to protect human health and the environment.

WHO IS BEHIND RECOS?

SIMIL CUERO PLYMOUTH, the company behind RECOS, was born in Mexico in 1964 and, since then, it has positioned itself as a worldwide leader in the production of textile and polyurethane materials.



All SIMIL CUERO PLYMOUTH textiles have OEKO-TEX Standard 100 certification.

This certification recognizes sustainable products and environmentally responsible practices.



RECOS
ZAPOTE Y MIEL

Throughout its almost 60 years of history, **SIMIL CUERO PLYMOUTH** has devoted its efforts to research and develop sustainable processes for the production of high-quality textile and polyurethane materials.

Aware of the need for a textile industry with the least impact on the environment, our production plant complies with all international sustainability standards.

The company has a hugely varied catalog and a significant production capacity, along with a vast experience exporting to **over 20 countries worldwide**.

In Mexico, we have a wide retail network and we are renowned for our extraordinary customer service. **Our ambition to contribute to a better planet** goes beyond our environmentally sustainable practices. At the local level, an example of this is our support to **La Cuesta, in Ecatepec**, a marginalized community near the headquarters of the company, where we strive to provide educational and cultural activities for the children.

SCAN TECHNICAL
DETAILS BELOW



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BY MOUT