

Sustainable Packaging

Presented by Encore International



Why sustainable packaging?

WHAT IS IT, EXACTLY?

Sometimes also called green packaging, sustainable packaging uses materials and manufacturing methods to package goods in a way that lessens energy consumption and lowers the impact on the environment.

But how?

WHAT CAN YOU DO TO MAKE YOUR PACKAGING SUSTAINABLE?

- **DESIGN FOR RECYCLING & REUSE**
Make it easy for the end user to give your packaging a second life.
- **RESEARCH NEW MATERIALS**
When selecting materials, keep their carbon footprint in mind.
- **REDUCE EXCESS PACKAGING**
Use the least amount of material needed to package your product.
- **INCREASE RECYCLED CONTENT**
Utilize recycled materials as long as they are functional.

Material Focus

SUSTAINABLE MATERIAL ALTERNATIVES INCLUDE:

Abaca

Acacia

Bamboo

Corn Starch Film

Cork

Jute

Molded Pulp

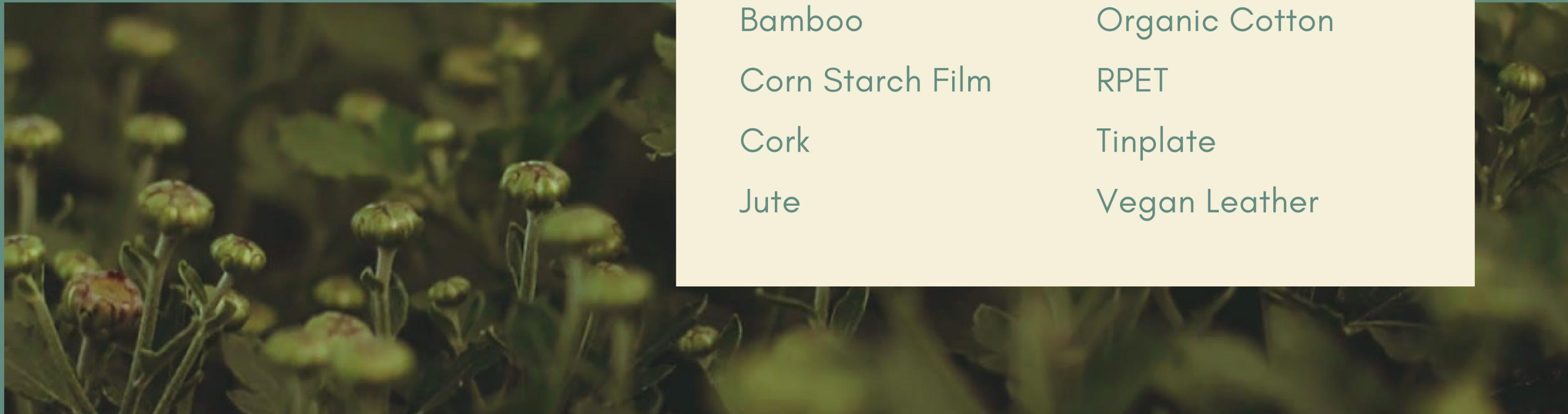
Paper

Organic Cotton

RPET

Tinplate

Vegan Leather





Bamboo

An incredibly renewable material, bamboo grows rapidly and promotes healthy soil wherever it is planted, making it beneficial throughout its life cycle.



Strong, rigid, and durable



Hearty and easy to grow



Renewable



Biodegradable and compostable



Cork

Natural, sustainable, and renewable, cork is an extremely versatile material.





SUSTAINABILITY

The tree is not cut down to obtain cork; only the bark is stripped to harvest the material. The tree continues to live and grow.

VERSATILITY

Cork is a resilient material that can be produced in flat, nearly fabric-like sheets, it can be developed into a wide variety of products.



Molded Pulp

Pulp from a wide variety of raw materials may be molded into many forms, and is a particularly good replacement for plastic vacuum forms.



RAW MATERIALS

Sugarcane bagasse, wood pulp, bamboo pulp, wheat straw pulp, paper, corrugated paper, and other plant fibers.

PRODUCTION PROCESS

No chemicals added during the pulping process, with no waste water or gas used. All scraps are returned to the pulp for zero manufacturing waste.

PHYSICAL PROPERTIES

High strength and anti-shock.
Easily customizable to fit any product.
Typically white or natural color but can be matched to other colors.

SUSTAINABLE

Manufactured from recycled fibers and can be recycled after use as well.
Biodegradable and compostable.



Did you know
ribbons can be
made from RPET?



Organic Cotton

Organically grown cotton eliminates synthetic chemicals to benefit the environment.





The production of organic cotton sustains the health of soils, ecosystems and people by using natural processes rather than artificial inputs.

No toxic chemicals are used in growing

Compared to conventional cotton, there is a 45% reduction in CO2 emissions and an 87% reduction in water use

Products made are durable and reusable





Paper

Endlessly recyclable, paper is an eco-friendly and versatile packaging option.





Can be recycled several times before degrading



Recycling paper reduces greenhouse gas emissions



Can be used on a wide variety of packaging products



Using old paper to make new uses 30-50% less energy than making paper from trees

FSC certification is a standard that ensures landowners and wood products manufacturers use responsible forestry practices.

The FSC label indicates that the forests from which we harvest wood fiber are managed in a way that reduces their environmental impact.



The mark of responsible forestry





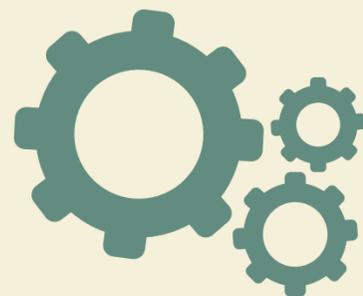
RPET

PET is one of the most common consumer plastics used and, if recycled, can be transformed into a fabric that can make a wide variety of products.





Collected



Organized & shredded



Stretched into yarn



Woven into fabric

Fully recyclable

Can be recovered and recycled again and again

Gives a second life to a material that's not biodegradable

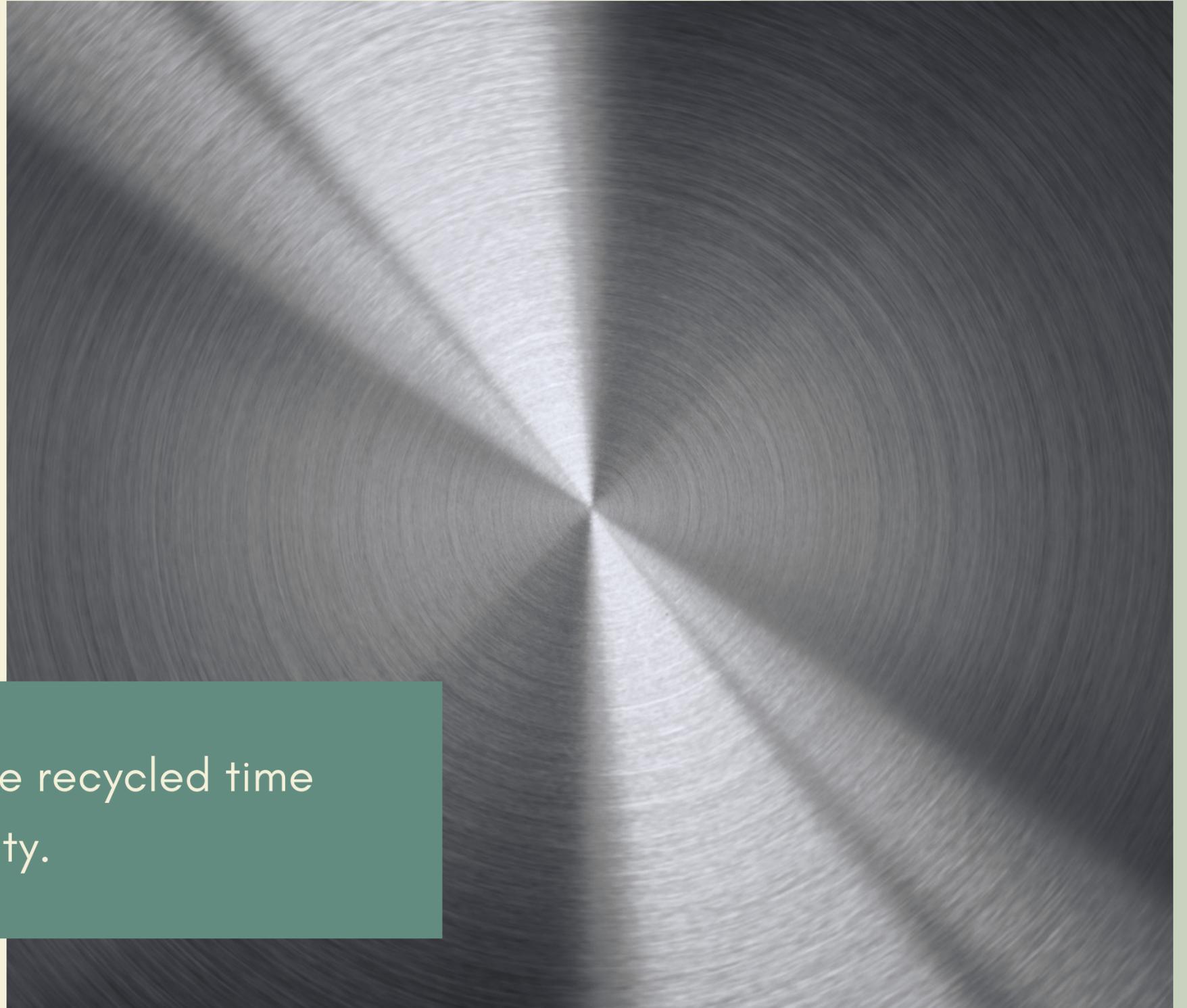


I used to be
a seat belt



Tinplate

Tin is a valuable material that can be recycled time and again without reducing its quality.





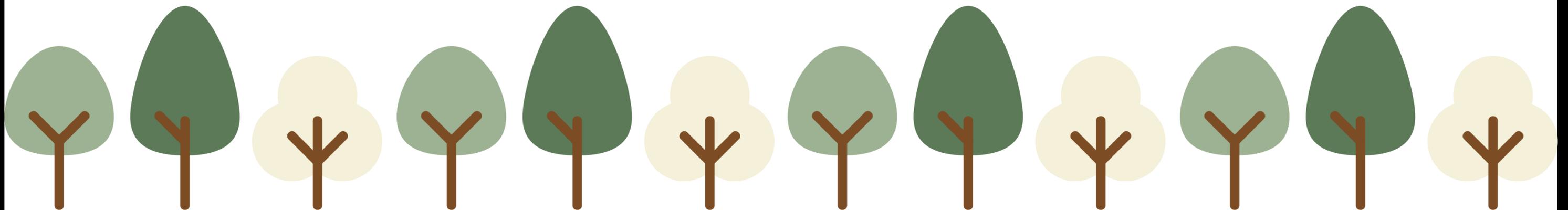
TINPLATE CONSISTS
OF SHEETS OF STEEL,
COATED WITH A THIN
LAYER OF TIN.

- Light, strong, and flexible
- Can be molded into any shape
- Offers a wide variety of printing, embossing, and finish options
- Using recycled tinplate:
 - Reduces energy use by 60% vs. the production of new material
 - Prevents 86% of air emissions and 76% of water pollution
 - Saves 40% of water during production



2021 SUSTAINABLE PACKAGING INITIATIVE

In 2021, Encore is planning on giving back to our planet with the packaging we supply. For every purchase order we receive for a sustainable item, we'll plant a tree through One Tree Planted to help repopulate forests where our manufacturing takes place. Contact us for more details today!



Let's Talk

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