BE A HERO! TO OUR PLANET

Sustainable packaging solutions from

Alliance Plastics
WE DELIVER INNOVATION

WHAT DOES SUSTAINABILITY MEAN IN SECONDARY PACKAGING?

Many if not all sustainability initiatives mention **NET ZERO** by a certain date or reduction of plastic in their packaging.

Unfortunately there is **no way around the using plastics** in secondary packaging and the movement of material.

When it comes to plastic you **typically lose performance and add cost to your operations.**

Paper becomes the darling of packaging because it is seen as more renewable and easier to recycle.

ALLIANCE PLASTICS SUSTAINABILITY MISSION

Our products are packed with **sustainable solutions** that can reduce waste, CO2 emission, without sacrificing profitability.

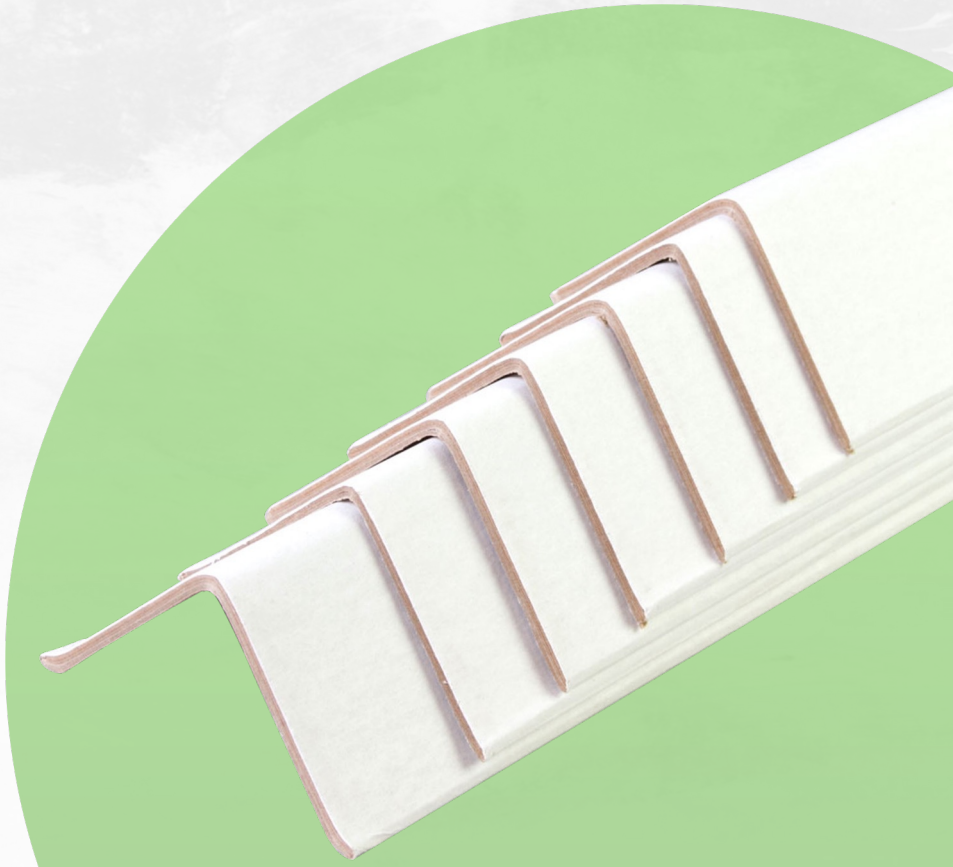
Our **commitment to performance and reduction of total waste** is our driving force behind our products.

JOIN US ON THE JOURNEY TO BE A HERO FOR OUR PLANET!

EDGEGUARD DX
CORNERBOARD

IS THE BEST OPTION AVAILABLE

- Reduce the amount of paper used without sacrificing quality
- Reduction in water pollution
- Reduction in cost to use



EDGEGUARD DX CREATES A SUSTAINABLE OPTION THAT ADDS TO PROFITABILITY AND PERFORMANCE.

EDGEGUARD DX
CORNERBOARD

SUSTAINABILITY MEETS PROFITABILITY

Manufacturers use: 6 gallons of water = 1 pound of paper

Average skid of corner board (2x2x.225x48”): 1,710 lbs of paper = 10,160 gal of water

EdgeGuard DX uses: 2 x 2 x 225DX x 48” 1,503 lbs of paper = 9,018 gal of water

SAVING 1,142 gal of water

ALL THE BOARDS IN OUR EDGEGUARD FAMILY ARE MADE FOR 100% RECYCLED PAPER

EDGEGUARD DX
CORNERBOARD

SUSTAINABILITY MEETS PROFITABILITY

According to the Sierra Club it takes roughly

8 trees to produce 1 ton of paper.

Standard board will consume 7 trees

EdgeGuard DX will consume 6 trees

EVERY PALLET OF DX SAVES 12% PAPER AND 1 TREE!

Alliance Plastics
WE DELIVER INNOVATION

CHANGING THE GAME IN SUSTAINABLE LOAD CONTAINMENT

Sustainability can mean many things to different people. Whatever the targets are, we have the tools to meet them.

- Utilize degradable plastics
- PCR and PIR resin blends
- Reduce your plastic consumption
- Reduce your CO2 footprint
- Reduce transportation damage

Steelflex Green

Up to 30% Recycled

UP TO 30% PIR CONTENT
CO2 REDUCTION
WASTE REDUCTION

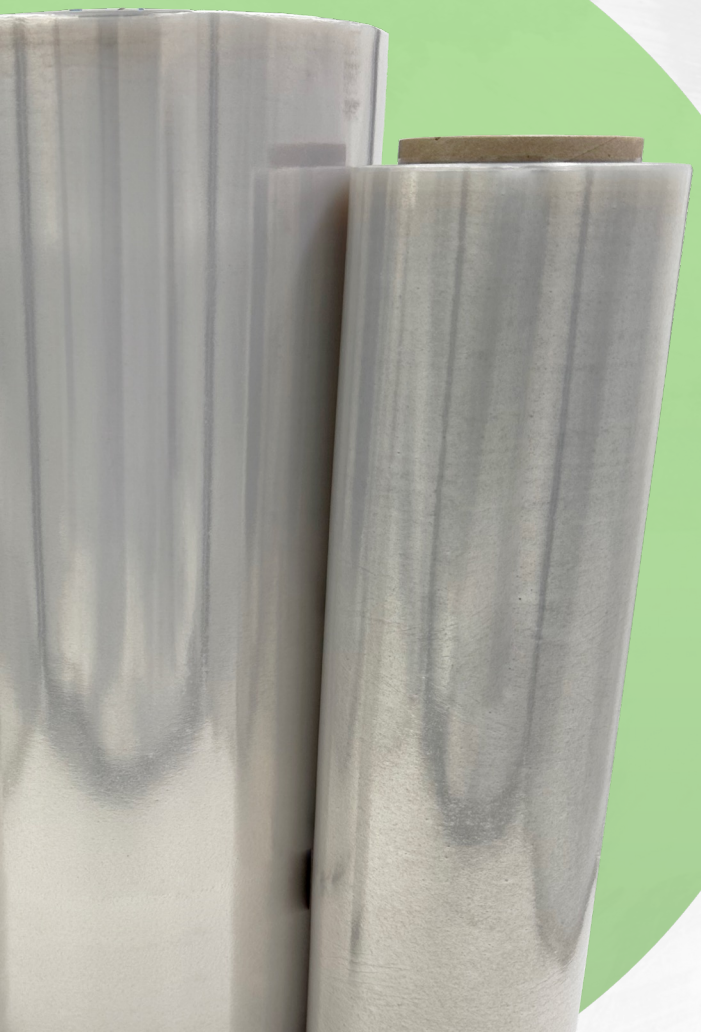
Steelflex Green is designed to help you achieve your sustainability goals while promoting load safety.

Features & Benefits

- up 30% Post Industrial Recycled Content
- Lower CO2 footprint than PCR films
- Landfill reduction
- Clear Optics
- Available in Hand and Machine film
- Steelflex 80ga and Xtreme 63ga

RENEW
STEELFLEX

25% TO 30% PCR CONTENT WASTE REDUCTION



Have confidence your pallets are wrapped securely and closing the loop in plastic waste.

Features & Benefits

- 25 & 30% Post Consumer Recycled resin blend
- Constructed to perform to reduce total use of wrapping material
- Available in Hand and Machine films
- Steelflex 80ga and Xtreme 63ga

Steelflex Bio

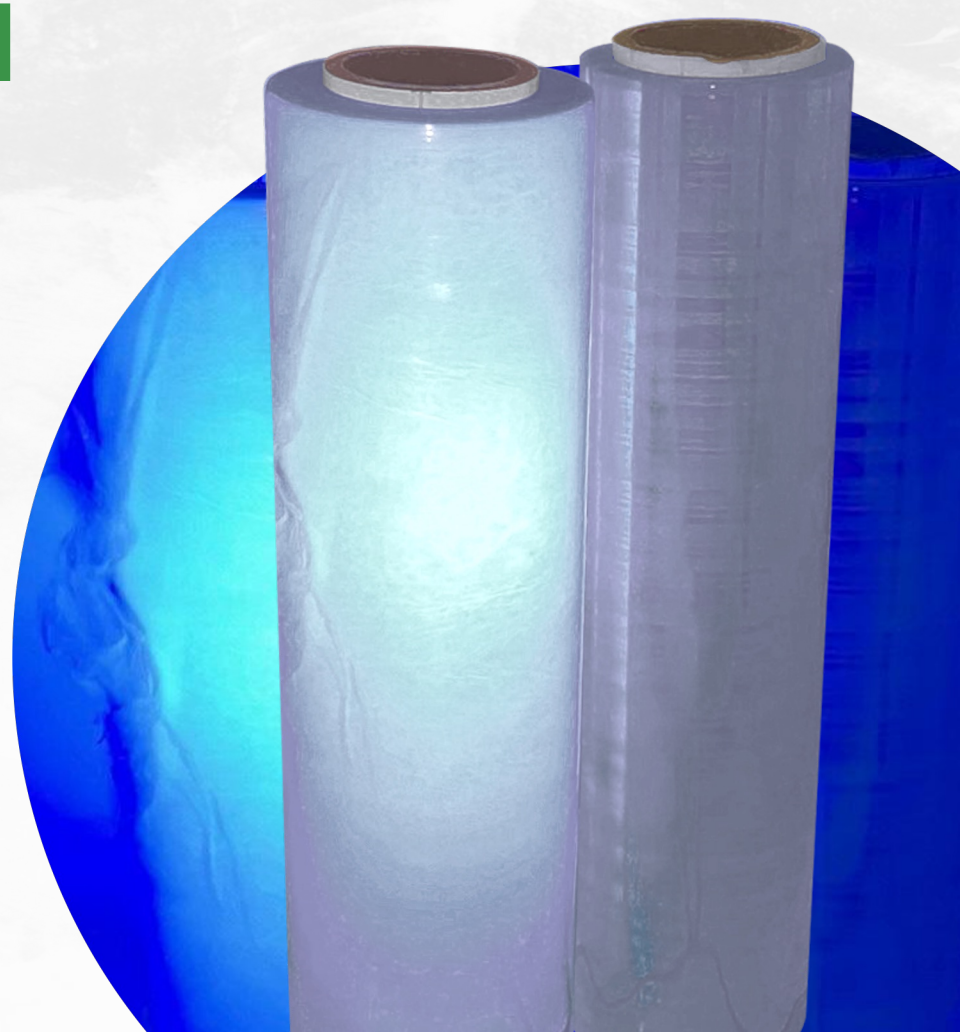
Bio Friendly Stretch Film

DEGRADABLE
CO2 REDUCTION
WASTE REDUCTION

Utilizing and OXO degradable additive
SteelFlex Bio Glow will degrade in **2.5 years**.

Features & Benefits

- Make your plastic waste disappear
- Degrades to a Bio Mass
- Performs like normal Steelflex and Steelflex Xtreme
- 3rd party tested
- Available in Hand and Machine Films
- Steelflex 80ga and Xtreme 63ga



BIODEGRADABLE PLASTIC LIFE CYCLE

BioGlow Additive

Sun Light + Heat + Oxygen + Water

0% Degradation → Degradation Commences → 100% Degradation

Programmable Shelf Life
Characteristic identical to virgin resin.

Oxidative Degradation
Production of low molecular mass oxidation products.

Bio-Degradation
Bio-assimilation of low molecular mass oxidation products.

PERFORMANCE FILMS

WASTE REDUCTION
CO2 REDUCTION
PROFIT ENHANCEMENT

STEELFLEX XTREME

Versatility and Earth Friendly

STEELFLEX NANO

Unmatched Performance

WHAT ARE YOUR SUSTAINABILITY TARGETS?

Choosing the right film to achieve sustainability targets is multiple choice answer.
What the targets are is important to understand.

- IS IT NET ZERO CARBON FOOTPRINT?
- IS THE GOAL REDUCTION OF PLASTIC WASTE TO THE ENVIRONMENT?
- WHAT IS THE COST?

WHAT DOES IT ALL MEAN AND WHAT IS YOUR BEST OPTION?

CO2 Footprint is fluid based on the product and the equipment used.

Total plastic used also is fluid based on the equipment and the film used?

THE CHOICE IS YOURS ON WHAT CAN HELP YOU REACH YOUR GOAL!

PCR

- Significant Upcharge
- High CO2 Footprint

PIR

- No upcharge
- Slightly higher CO2 footprint

VIRGIN RESIN

- Lowest total poly use
- Lowest CO2 footprint
- Lowest cost

WHICH ARE THE MOST SUSTAINABLE STRETCH FILMS?

Pat Lancaster the founder of **Lantech** comprised a study of wrapping pallets with various papers, PCR Stretch Film, and Films with only virgin poly.

According the study the most sustainable means of wrapping pallets is with **Ultra High-Performance films** such as Steelflex Nano and Steelflex Xtreme. These present lowest:

- CARBON FOOTPRINT
- WEIGHT OF POLY USED
- COST

*** Stretch Film Alternatives “Evaluating Performance and Environmental Impacts, Lantech, LLC, Pat Lancaster, revised 10/20/2022

REAL WORLD SUSTAINABILITY

To decrease the total environmental impact of the use of Ultra-High Performance machine stretch film to secure pallets we can do it by utilizing any of the **performance films** and **increasing the clients equipment to pre stretch 275-300%** with lowest gauge possible.

DECREASE TOTAL POLY USE

DECREASE TOTAL CARBON FOOTPRINT

DECREASE COST OF WRAPPING OPERATIONS