

# **Paper & corrugated**

Electronic Coast

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# Paper & Corrugated

## Introduction

Corrugated/paper based material stands for +40% of Boxon's yearly purchase volume.

Paper-based products has a big potential, as market see this as the best option for single-material

**Main movments:** Downgrade material to the level that customer need and not over overwork.

Important to use as less material in size as possible to reduce Co2

Market is 100% for paperbased solutions so it's important to follow this trend.

## Key points

**Pros** – high credibility in the market, renewable material, 100% recyclable, recycled in Europe up to 87%, good printing possibilities, lightweight product (cheap in transport versus wood, FSC, can replace plastic inserts)

**Cons** – bulky (expensive to transport), hard to use in a reuse loop, can increase Co2 (weight)

## Conclusions

FSC mandatory

Try to change more from wood solutions to heavy-duty corrugated solutions where it's possible

Change to more recycled content where this is suitable and possible

Where it's possible, change from plastic/foam inserts to paper-based

# Boxon circular packaging principles

Principle 1

Reduce packaging material

Principle 2

Reuse – packaging designed for reuse

Principle 3

Material circulation

- Increase renewable material (FSC certified)
- Increase post-consumer recycled material
- Ensure 100% recyclability for all packaging at end-of-life



Sustainable products



FSC

3



Recycling

# Reduce plastics filling & packaging material

- 100% reduction plastics filling
- 30% less corrugated paper
- Increased pallet load - 5 times
- Made from 100% recycled material
- Optimized use of material
- No need for additional void fill or closing (tape)
- CO2 decrease with 30-40%



# Reuse – the repeated use of a product

- Designed for reuse multiple times
- Adapted and designed for simple handling
- 100 % recyclable, in practice



# Material circulation

- **Renewable material**



# VCI Plastic

Two possible ways forward....

- Recycled material, 30% (max)
- Bio-based material, Corpalin BioNature

Strength and durability comparable to untreated plastics

Meets ASTM D5511 standard requirements

Environmentally friendly degradation because without heavy metals or toxic by-products

100% recyclable in combination with PE raw materials

Guaranteed no OXO degradable material – thus no microplastics

Exempel



	IMPACT	RECYCLABLE	NO TOXIC RESIDUES	SHELF LIFE	TEMPERATURE TOLERANCES	FOOD CONTACT SAFETY	BIODEGRADE IN LANDFILL
BioNatur Plastics	bio *) degradable	✓	✓	indefinite	✓	✓	5-10 Years
Traditional Plastic	NOT bio degradable or degradable	✓	✓	indefinite	✓	✓	500-1000 Years
PLA degradable	application dependent degradable	✗	✓	limited	✗	✓	500+ Years
OXO degradable	degradable	not sure	✗	limited	✗	application dependent	500+ Years

\*) ASTM D5511:LDPE product 36,3% biodegraded in 793 days under landfill conditions.



# Korrvu

Full paper-based solution (used in the Automotive sector)

Simple and fast to pack

Integrated peel & seal

To some extent cushioned

No mix of paper and plastic - environment

Easy to recycle - in practice

Possible to print on

Today



Tomorrow





# Material circulation

Substitution



# Airwave 2

Fast air cushion production  
up to 20 m/min  
Program memory for 5 film types  
Interactive touch display  
High-tech sealing unit  
Quick start-up in under 1 minute  
Low maintenance  
Warranty - 12 months, made in Germany  
Art. 153086



## Consumables:

100x210mm(300m) art. 153191 (pillows)  
150x210mm(300m) art. 153193 (pillows)  
420x320mm(200m) art. 153194 (matt)

Void fill – low to medium usage



## Technical data

Weight: 6,5kg  
Size: 42x32x24cm  
Electricity: 230V  
Semiautomatic  
Capacity: 0,35m/sek

# Corrugated shredder

Fast strip, chip, or mat production

Speed up to 11,7 m<sup>3</sup>

Widths from 300mm – max 700mm

Low maintenance

Warranty – 12 months

Art. – several models

Options: vacuum cleaner, leg kit, wheel kit, hose kit

Cushioning – medium to high usage



Miljöstrips



Miljöchips



Miljömattor

## Technical data

Weight: model

Size: model

Electricity: 220 / 380V

Semiautomatic

Capacity: model

**It has been a  
pleasure!**

