



NATURAL  
100%

# PRINT PROCESS

The method of printing is as important as the materials being used. That is why we focus on HP Latex and dye sublimation technology for all of our printed materials, including flat sheets. Latex inks and dye sublimation inks are both water-based, ensuring that prints are able to be safely disposed of at the end of their life, compared to other print methods which can impact on the sustainability of the print media.



HP  
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# HP *and the* Environment



HP have built their range of latex printers with the environment in mind, from beginning to end. There are a range of green advantages from a manufacturing point of view to using latex printers (recyclable ink cartridges, no ventilation required whilst printing, and energy efficiencies just to name a few), but there are also clear benefits for the end user.

HP Latex Inks are not only odorless, they also have qualified for certifications that demonstrate they meet some of the world's most rigorous and comprehensive standards for low chemical emissions into indoor air.



UL ECOLOGO® Certified\* HP Latex Inks meet a range of stringent human health criteria



HP Latex Inks are GREENGUARD GOLD Certified\* to standards for low chemical emissions into indoor air

\*UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see [ul.com/EL](http://ul.com/EL))

\*GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg) or [greenguard.org](http://greenguard.org)

# Dye Sublimation Printing

Dye sublimation printing involves either printing directly onto a polyester based fabric, or printing onto a lightweight transfer paper. After printing, the fabric passes through a heated calendar system where the ink either transfers onto or is dyed straight into the fabric.

## Environmental Benefits:

- The water-based ink is low in VOCs and free from harsh solvents
- No strong fumes or need for extraction - making it safer for the operators
- No post-washing is required (as with traditional textile dyeing)
- Shorter runs are possible than with screen printing, reducing overall waste

# Roll Fabrics

Our core collection of roll fabrics are manufactured in Germany by Georg+Otto Friedrich (GOF), then transported to the UK for printing. GOF have a strong reputation in the industry as 100% of their production (warp knitting, finishing and coating) takes place in Germany. This comes with a lot of benefits, environmental and otherwise:

- EU-based production: Materials and yarns are primarily sourced and manufactured within the EU, supporting higher environmental and social standards
- Regulatory standards: German and EU regulations enforce stricter controls on emissions, chemicals, and waste compared to Far East manufactured fabrics
- Shorter supply chains: European production means significantly shorter transport routes, helping reduce CO2 impact compared to Far East shipping
- Energy management: Up to 60% of electricity used by GPF is generated by their own photovoltaic systems
- Waste strategy: Non-recyclable waste is directed into energy recovery at GOF, with minimal landfill disposal
- Chemical control: Only WKS I-class auxiliaries are used, which can be safely treated in municipal wastewater systems

# FABRIC BACKWALL

There are a variety of fabric backwalls available from 0.8m up to 6m wide in straight and curved options. The graphics are dye sublimation printed on polyester stretch fabric and fit an aluminium frame system. Every frame can be supplied with a new graphic to extend it's lifetime.



Formulate Monolith



Formulate Straight



Formulate Curved

# Short RUN PACKAGING



Our most popular style of box is the FEFCO 0427 which is a self locking box, so it doesn't require any taping. We can also provide other styles of boxes depending on your customer's requirement.

We can brand both the outside and inside of the box using full colour digital printing on E-flute. All boxes are supplied flat as standard and there are no MOQs. Custom sizes are available.



We have a variety of standard size branded boxes that can be used for mailing out care packs. From boxes that'll fit through the postbox up to boxes that'll fit hampers, we have a solution.

All of our boxes are printed directly onto the cardboard sheet using water based latex inks, making them 100% recyclable. By printing straight onto the sheet, you also reduce extra substrates, adhesives, and transport steps, which lowers overall material waste and carbon footprint compared to traditional mounted or solvent-based print methods.

# introducing reboard honeycomb

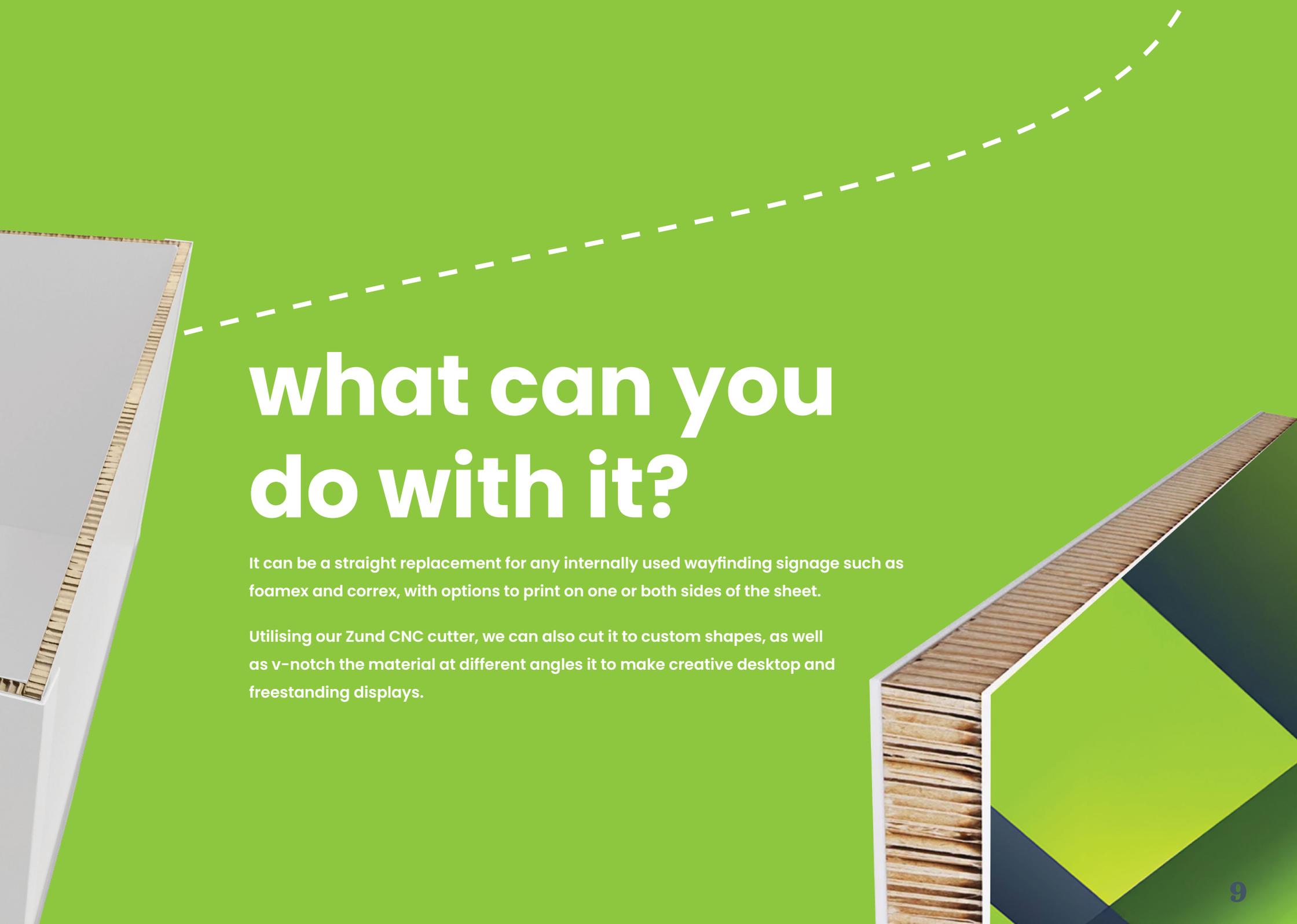
## Overview

Reboard honeycomb prints are the definitive environmentally friendly display board. When used with our HP Latex R2000 Plus, each print is entirely recyclable (including the waterbased inks) and has the added benefit of being a fraction of the weight of foamex, but much stronger because of it's honeycomb center.

## Technical Info

- White Board with Brown Honeycomb Center
- Thickness: 6mm / 10mm / 16mm
- Max Print Size: 6mm 1200x2400mm / 10-16mm 1550x3150mm
- V Notch / partial depth cuts / cutting to shape all possible
- White edging tape on quotation





# what can you do with it?

It can be a straight replacement for any internally used wayfinding signage such as foamex and correx, with options to print on one or both sides of the sheet.

Utilising our Zund CNC cutter, we can also cut it to custom shapes, as well as v-notch the material at different angles it to make creative desktop and freestanding displays.



# What Products are available?

**PVC Free Banner** - suitable for all indoor and outdoor banner applications.



**PVC Free Fabric Wallpaper** - a more environmentally friendly option than PVC based wallpapers. It has a self adhesive grey back fabric for both indoor and outdoor short-term use.



# What are PVC FREE *Materials?*

PVC-free vinyl is a substitute for PVC vinyl in display products like signs, posters, backdrops. The most common substitutes are PET, PP, PE and polyester, which are types of plastic but better for the environment than PVC.



## Why *Switch* to PVC FREE Materials

Statistically, PVC is the most environmentally damaging plastic because it requires massive emissions to manufacture, can't be recycled and contains massive amounts of chlorine and dioxin.

At the end of its life, providing it finds its way into waste processing and not the environment like our oceans and rivers, PVC ends up in landfill sites, or its toxic components are released into the atmosphere through incineration.

# what is *Recycled* polyester?



Disposed consumer goods, such as PET-bottles are melted down to chips and spun as yarn so textile can be produced from it which is then printed and turned into a new product

# Advantages

- Reduction of energy and CO<sub>2</sub>

With every kg of recycled PET, three kg of CO<sub>2</sub> are saved. Therefore, 1,000 kg of recycled PET result in a saving of 3,000 kg of CO<sub>2</sub>. This corresponds to the average emission of a car per year.

- Reuses materials that could otherwise have gone to landfill.

- Improved Life Cycle Assessment (LCA) of recycled PET (rPET) compared with virgin PET (vPET).





# *Recycled* **Polyester**

What products are available?

- 110gsm Flag Knitted Polyester – suitable for flags, fabric banners and tablecloths.
- 220gsm Display Polyester – suitable for fabric banners and tablecloths.

