



PRODUCT SPEC SHEETS

Swanline Paper & Board
Whitebridge Park, Whitebridge Way, Stone,
Staffordshire, ST15 8LQ

Tel: 01785 827938 | swanline.co.uk



SWANLINE PAPER & BOARD

INTRODUCTION:

Swanline Paper & Board is a paper based materials converter and distributor with a difference; we develop partnerships with our clients to ensure a high performance packaging or point-of-sale material solution. We are committed to innovation in sustainability and have pledged that our range will soon be completely plastic free.

Swanline Group's stake in CorrBoard UK provides us with a robust, vertically integrated supply chain.

WHY SWANLINE PAPER & BOARD?

We truly understand the needs of the packaging, point-of-sale and sign and display sectors. Through research and development, technical and logistical excellence we deliver innovative, high performance, sustainable solutions. We tailor our service to meet our clients' needs and can supply material only or utilise the full strength of the Swanline Group, to provide a complete end-to-end solution from constructional design, print and conversion through to distribution.

Manufactured in the heart of Sweden, Cygnus® Eco Board is perfect for retail point of sale and moisture sensitive packaging as it is moisture resistant. This material is 100% paper based board, making it environmentally friendly.

Read below to see our full range of Cygnus products and their key benefits.



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CYGNUS® CLAY COAT



The mark of
responsible forestry
FSC® C140215



Clay Coat Corrugated is a fully recyclable corrugated board. It has a white kaolin coated top surface receptive to printing ink, with either a white or brown reverse. Digi flute is also available which has been designed to meet the needs of the flat bed digital printing market. Digi flute reduces burnishing and mottling.

Clay Coat Corrugated is available in E, EB, EE, B, N, FE flutes. Digi flute grades are available in E, B, EB, and EE.

A wide range of sheet stock sizes are available.

KEY BENEFITS

Outstanding print results – suitable for screen and flatbed digital print techniques.

FSC® Certified – chain of custody gives complete peace of mind.

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CYGNUS® ECO KRAFT BOARD



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Manufactured in the heart of Sweden, **Cygnus Eco Kraft Board** is perfect for retail point of sale and moisture sensitive packaging as it is moisture resistant. This material is 100% paper based board, making it environmentally friendly.

Cygnus Eco Kraft Board is food safe, FSC® certified and a perfect fibre-based alternative to PVC, polypropylene and PE lined materials. With a Kraft and White side, this material offers flexibility of finish depending upon the requirement.

Cygnus Eco Kraft Board is available in 460 micron and available in sheet sizes from 450x640mm up to 1700x3600mm. Bespoke sizes are available upon request.

KEY BENEFITS

Food safe.

Fully recyclable – easily recycled and reused, in-fact it can be recycled up to 8 times!

Compostable and biodegradable – can be disposed of in normal paperboard waste stream and has EN 13432 certification.

Outstanding print results (white coated side) – suitable for offset, screen and flatbed digital print techniques.

Exceptional ink adhesion – smooth print surface means that when compared to fluted polypropylene, there is no flute shadow.

Superior conversion results – can be digitally or die cut.

FSC Certified – chain of custody certification gives complete peace of mind.

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CYGNUS® DISPLAY BOARD



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Cygnus Display Board has been engineered and formulated for the digital market but can be used for litho and screen processes, so is highly versatile. It is FSC® accredited and has a double side coated lightweight liner that is highly stable.

Cygnus Display Board is available in sheet sizes ranging from 1250 micron to 2000 micron.

KEY BENEFITS

Fully recyclable.

Outstanding print results – suitable for litho, screen and flatbed digital print techniques.

Flexible conversion results – can be guillotined or die-cut.

FSC Certified – chain of custody gives complete peace of mind.

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CYGNUS® ECO BOARD



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Manufactured in the heart of Sweden, **Cygnus Eco Board** is perfect for retail point of sale and moisture sensitive packaging as it is moisture resistant. This material is 100% paper based board, making it environmentally friendly. **Cygnus Eco Board** is an ideal alternative to soft foam boards, foam PVC, fluted polypropylene, PE coated materials, HIPS and other plastic composites – even aluminium composite!

Cygnus Eco Board is FSC® certified and a perfect fibre-based alternative to plastic.

Cygnus Eco Board Lite is available in 300, 430 and 520 micron, and **Cygnus Eco Board Ultra** is available in 830, 1250, 1500 and 2200 micron. Both are available in sheet sizes from 450x640mm up to 1700x3600mm. Bespoke sizes are available upon request.

KEY BENEFITS

Food safe up to 830 micron.

Fully recyclable – easily recycled and reused, in-fact it can be recycled up to 8 times!

Compostable and biodegradable - can be disposed of in the normal paperboard waste stream and has EN 13432.

Outstanding print results – suitable for offset, screen and flatbed digital print techniques.

Exceptional ink adhesion - smooth print surface means that when compared to fluted polypropylene, there is no flute shadow.

Superior conversion results - can be digitally or die cut.

Recycled content - made from up to 70% recycled content (depending upon calliper).

FSC Certified – chain of custody certification gives complete peace of mind.

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**CYGNUS® EXCELLENT
DISPLAY BOARD**



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Manufactured in the heart of Sweden, **Cygnus Excellent Display Board** is the market leading display board for indoor retail signage and POS applications. This smooth, white-centred board with a clean core provides an ideal recyclable alternative to plastics.

Excellent Display Board is FSC® certified and an alternative to foam PVC, styrene and foam boards due to its robustness and durability. Available in 500, 1000, 2000, 2500, 3000 and 4000 micron at 1220 x 2440mm. Other sheet sizes and calipers are available on request.

KEY BENEFITS

Fully recyclable – many plastics are not.

Beautiful smooth white surface with a clean core.

Outstanding printability – suitable for direct print in offset, screen and UV flatbed digital.

Rigid – 50% greater rigidity vs leading European made foam PVC.

Reduce transport costs by up to 33% – less material is required to achieve the equivalent level of rigidity delivered by low density foam PVC.

Outstanding flatness – Excellent will not curl or crease, it remains flat throughout the lifespan of the product.



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CYGNUS® HIGH WHITE



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Cygnus High White is a GC1, 190gsm virgin fibre liner with a crisp white reverse, suitable for high quality and superb visual print litho laminated packaging.

Due to its high bulk and stiffness it can also be used for greetings cards, pharmaceutical and cosmetic packaging and can be printed upon using digital, screen and flexo processes. FSC® approved and hard sized as standard, **Cygnus High White** is fully recyclable and compostable and contains no metallic pigment.

KEY BENEFITS

Fully recyclable and compostable.

Environmentally friendly – coating does not contain any metallic pigment.

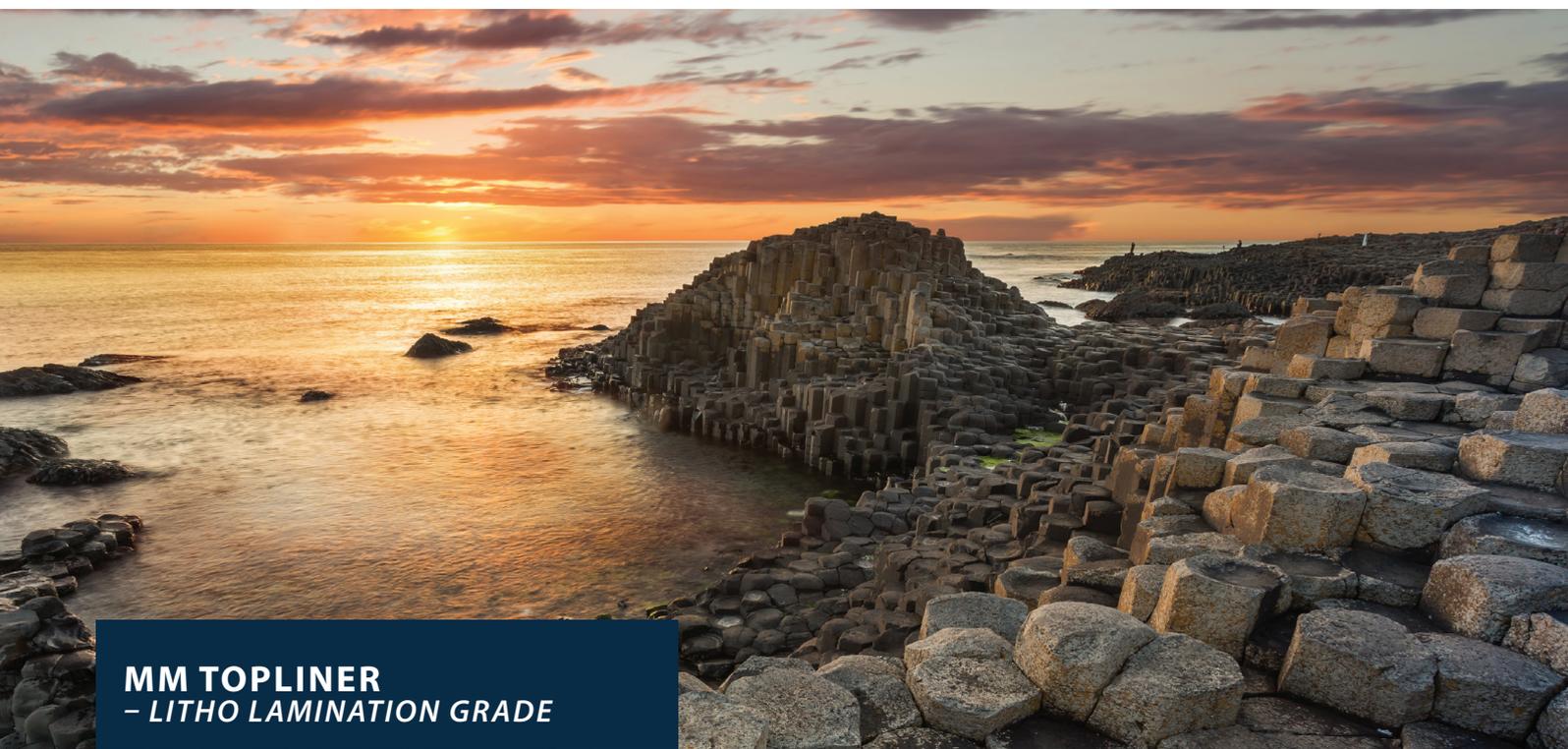
Acid free – will not tarnish or finger print when handled.

Double coating and single to reverse.

Suitable for litho, digital, screen and flexo print methods.

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MM TOPLINER
– LITHO LAMINATION GRADE



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Manufactured by Mayr Melnhof, **MM Topliner** is the market leading offset litho GD2 liner specifically manufactured for litho laminated packaging applications.

Facilitating exceptional colour density, excellent printing contrasts and the reproduction of detailed half-tone pictures, this material is available from Swanline Paper & Board ex-mill in various grades, or our UK stocks in 195gsm.

KEY BENEFITS

- High brightness
- Excellent smoothness
- High gloss levels
- Best opacity
- Homogenous structure thanks to multiple pigment coating
- Grammages: 160, 180, *195, 210, 230, 250 gsm
- *195gsm available from Swanline Paper & Board's UK stockholding



CYGNUS® CROSS-PLY BOARD



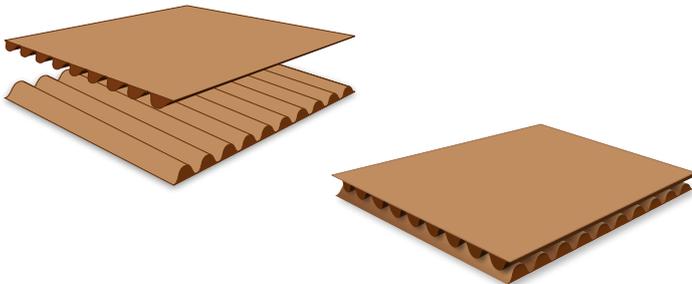
The mark of
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Cygnus® Cross-Ply is a bi-directional fluted material specifically engineered for e-commerce packaging applications that require additional strength.

The material can be one or two side printed flexo, screen or digital and it is also suitable for litho lamination or a mixture of any of these processes to achieve the desired finish.

The manufacturing process for the substrate eliminates the need for a centre liner to bond the two flutes together, saving around 20% material when compared to a conventional double fluted board.



KEY BENEFITS

- Enhanced strength to weight ratio when compared to conventional corrugated grades
- Superior BCT and ECT compared to conventional corrugated grades
- Potential for reduced returns from damaged e-commerce deliveries
- Stable, flat, rigid sheets due to cross-flute directions
- Improved lamination results without wash-boarding
- Box structures benefit from vertical flutes in all directions
- Basis paper weight reduction whilst achieving required strength
- Panel strength stiffness reduces pack “bulging” from liquids, powders grain etc.
- Excellent cutting and creasing properties
- Available in FF, EF and BF flute profiles
- Available using white, kraft and test papers
- Maximum sheet size 1100 x 1400mm
- FSC® certified
- 100% recyclable

Applications

- E-commerce packs requiring added protection
- Packaging requiring strength in all directions
- Fitments requiring strength in all directions
- Bag-in-Box without “bulging”
- Performance packaging
- Display applications



SINGLE FACED CORRUGATED (Lamination Grade)



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FSC® C140215



Swanline Paper & Board's **Single Faced Corrugated** lamination materials are manufactured using our own dedicated production equipment. Sheets or reels are available for litho laminating across a range of flute profiles and paper weights, or coupled with Swanline Print's lamination services, we can supply ready laminated sheets to you for conversion on your own equipment.

Delivered to your door on bespoke to-size pallets with a 40% to 60% guaranteed product relative humidity (RH), SPB's single faced corrugated provides for consistent quality from the laminating process through to the final packaging.

Our single faced corrugated grades incorporate papers from a range of mills covering kraft, test-liner, white kraft, white test and reinforced fluting. Manufactured in a carbon neutral factory, our single faced corrugated provides for unbeatable sustainability credentials.

KEY BENEFITS

- Available in "F", "E", "I" and "B" flute profiles
- Fully recyclable
- Sheet sizes up to 2020 x 1600 on all flute profiles
- FSC® certified
- 40% to 60% RH guarantee
- Available for fast delivery from stock in some grades
- Available in conjunction with our MM Topliner 195gsm for litho, saving mismatched quantities during lamination
- Bespoke sturdy to-size pallets preventing damaged sheets
- Unique CO2 neutral single faced reel manufacture
- Available with Swanline Print's lamination services

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Cygnus® REELboard Kraft



- Brown kraft gloss surface
- Pre-consumer waste with unbleached sulphate kraft pulp top and bottom
- Revolutionary SeerPak micro aqueous barrier coating
- Fully sized food grade material
- Suitable for direct food contact
- Innovative and sustainable
- Available in various weights/callipers
- Designed by Reelbrands

KEY BENEFITS

- Viable alternative to PE laminated materials
- Certified plastic free
- 100% recyclable
- 100% biodegradable
- 100% compostable
- High grease resistance (Kit 12)
- High water barrier properties (Cobb1800 < 20gsm)
- BPA/PFA free
- Ideal for frozen, chilled, ambient and elevated heat
- PVA gluable/induction heat sealable
- Flexo, offset litho and digital print compatible
- Good cutting/creasing results
- FSC®/PEFC Certified
- BRC Certified supply
- UK made/short lead times

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Cygnus® REELboard White



- White gloss surface
- Recycled GT2 wood free topside
- Revolutionary SeerPak micro aqueous barrier coating
- Fully sized food grade material
- Suitable for direct food contact
- Innovative and sustainable
- Available in various weights /callipers
- Designed by Reelbrands

KEY BENEFITS

- Viable alternative to PE laminated materials
- Certified plastic free
- 100% recyclable
- 100% biodegradable
- 100% compostable
- High grease resistance (Kit 12)
- High water barrier properties (Cobb1800 < 20gsm)
- BPA / PFA free
- Ideal for frozen, chilled, ambient and elevated heat
- PVA gluable/induction heat sealable
- Flexo, offset litho and digital print compatible
- Good cutting/creasing results
- FSC®/PEFC Certified
- BRC Certified supply
- UK made/short lead times

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Cygnus® REELboard White Plus



KEY BENEFITS

- White gloss surface
- Virgin kraft GC1 material
- Revolutionary SeerPak micro aqueous barrier coating
- Fully sized food grade material
- Suitable for direct food contact
- Innovative and sustainable
- Available in various weights/callipers
- Designed by Reelbrands

- Viable alternative to PE laminated materials
- Certified plastic free
- 100% recyclable
- 100% biodegradable
- 100% compostable
- High grease resistance (Kit 12)
- High water barrier properties (Cobb1800 < 20gsm)
- BPA/PFA free
- Ideal for hot/cold/frozen food packaging
- PVA gluable/induction heat sealable
- Flexo, offset litho and digital print compatible
- Good cutting/creasing results
- FSC®/PEFC certified
- BRC certified supply
- UK made/short lead times

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Cygnus® REELboard Black



- Black gloss surface
- Recycled GT2 wood free topside
- Revolutionary SeerPak micro aqueous barrier coating
- Fully sized food grade material
- Suitable for direct food contact
- Innovative and sustainable
- Available in various weights/callipers
- Designed by Reelbrands

KEY BENEFITS

- Viable alternative to PE laminated materials
- Certified plastic free
- 100% recyclable
- 100% bio degradable
- 100% compostable
- High grease resistance (Kit 12)
- High water barrier properties (Cobb1800 < 20gsm)
- BPA/PFA free
- Ideal for frozen, chilled, ambient and elevated heat
- PVA gluable/induction heat sealable
- Flexo, offset litho and digital print compatible
- Good cutting/creasing results
- FSC®/PEFC Certified
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