

Environmental Policy

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About Celloglas

Celloglas is a specialist decorative print finishing company, with three sites across the UK.

Celloglas also has a division called Mirri, which is based at the site in Theale Reading.

Celloglas offers a range of processes including lamination, varnishing, high-speed coating, foil blocking and embossing, die cutting, cut and crease, folder make up, Re-moist gumming, perforating and other specialty finishes.

Responsibility

Celloglas recognises the importance of environmental protection and is committed to operating its business responsibly and in compliance with all environmental regulations and legislation relating to the print industry.

The company is committed to achieving continuous improvement and minimising our impact on the environment and is also committed to the prevention of pollution and demonstrate environmental improvement through:

- Complying with all relevant legislation and codes of practice.
- Continuously improving environmental performance by developing objectives that target waste minimisation, energy consumption and reduction in our carbon footprint.
- Developing productive green relationships with suppliers, contractors and other interested parties.
- Improving employee awareness of their environmental impacts and responsibilities.
- Minimise water consumption.
- Minimise material waste.
- Minimise energy consumption and waste.
- Promote the use of recyclable/biodegradable materials (and environmentally friendly products and processes).
- Reduce and/or limit the production of pollutants to water, land and air.
- Control noise emissions from operations.
- Training of employees and continued professional development in environmental issues and standards.

It is the policy of Celloglas to carry out all measures reasonably practical to meet, exceed or develop all necessary or desirable requirements and to continually improve environmental performance through the implementation of the following.

Assess and target waste minimisation and energy consumption (regularly re-assess the environmental effects of the company's activities).

Celloglas

Screen varnishing

A thin clear coating is applied to the sheets and then dried/hardened to produce a decorative and protective layer.

Celloglas use UV varnishing and utilise a chemical crosslink reaction which occurs instantaneously within the varnish when it is exposed to ultra violet light provided by a bank of emitters. This technology has eliminated VOC emissions to the atmosphere and is typically 2-3 times more energy efficient per unit of varnished area than hot air drying.

High speed coatings

Celloglas's high speed coater uses water-based coatings (which only release water into the air) or uses UV drying which eliminates VOC emissions to the atmosphere.

Lamination

A very thin transparent web of plastic film is coated on one side with a liquid adhesive. The adhesive dries by direct heat and warm air and the film/adhesive is then laminated to the printed sheet under high pressure between two rollers. The film is then cut so that the sheets can be stacked and palletised for return to the printer.

The 2020 Wrap report recommends single-sided laminated work can be readily recycled. As the film content is less than 15% of the total product item weight. Most films are in the range of 12/15gm².

The lamination process entails the drying of adhesives which have been coated onto plastic film, more than 95% of laminating adhesives used in the UK are water based. During drying at 60-70 °C only water vapour is emitted into the atmosphere.

Celloglas advocates the use of non-solvent based adhesive technology wherever possible and promotes the elimination of VOC emissions by the use of either VOC free adhesives or emission control technology.

Environmentally friendly laminate

To support clients with environmental commitments in line with Government targets, Celloglas has developed an over laminate of film and adhesive that offers all the benefits of OPP but is sustainable, biodegradable and can be recycled we call this Cellogreen.

The cellulose fibres that make Cellogreen biodegradable have been cultivated responsibly for over 25 years and harvested and processed in a low-impact system. The timber used is harvested from SFI managed forests where full consideration is given to wildlife, the ecosystem and the landscape in which the trees are grown. With refined wood pulp at the heart of this film, the environmental issues are checked at every stage.



Mirri

A Division of Celloglas has been a well-known brand since the early 70's, specialising in producing quality decorative materials across board, card and paper.

Metalised polyester films

To further reduce our carbon footprint and to avoid unnecessary waste and landfill we now use films that contain up to 70% post-consumer recycled content (PCR).

Mirri H

A high-quality luxury laminate using lamination films that are classed by the 2020 WRAP report as recyclable.

Mirri Eco

(Transfer Metalised) is a 100% non-filmic Mirri product whereby the polyester film used to transfer the metalised layer to the substrate is removed and recycled at our premises (pre consumer). We have tested and have certification regarding the recyclability of the metalised paper or board.

As retailers and brands strive to limit their environmental impact by using materials that are ecofriendly, print buyers are looking for environmental alternatives to oil-based products. To meet this demand, Mirri has developed Mirri Eco, a fully recyclable product. Mirri Eco is a direct metallised high-quality board. This sustainable alternative is recyclable, repulpable (PTS –method RH 21/97). Mirri Eco is a repulpable, mono product that can be placed in recycling waste, the metallic layer is then dispersed during the de-inking process.



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Material waste management

Zero to landfill at all three sites. Certifying that all waste is recycled or goes to Biomass incineration to supply power.

Zero Foil to waste at all three sites. Certifying that all foil waste goes to Biomass incineration to supply power.

All three sites are certified to the BPIF Packaging to Recycling Scheme.

Across all sites including the Mirri division all wastepaper (including office waste paper), board and shrink wrap are separated out into relevant waste streams and recycled by local waste management companies.

We undertake simple cost-effective measures to reduce and reuse waste and continually audit these processes.

Solvent waste management

All waste solvents are stored in allocated secure fireproof storage containers and are collected across all sites by a local waste management company on a regular basis.

Energy and carbon emissions

- Saving energy has positive environmental and financial benefits.
- We record annual energy usage at all 3 sites.
- We aim to reduce our energy consumption by 5% per annum.

We audit our energy usage to identify the main areas of consumption and prioritise these areas for energy efficiency measures.

Consumable use

We ensure that all consumables are used with the utmost care and stored and disposed of according to the law. We dispose of all hazardous waste via appropriate registered waste contractors.

Purchasing

We carefully choose who and how we purchase all items and try to minimize packaging and look for recyclability wherever possible.

We look to local supply to reduce transportation costs. We research into the efficient production of all purchases.

Staff education and training

We relay to all staff the environmental considerations we take as a company.

We encourage all staff to engage in savings in all aspects of the business to reduce all excess waste and consumption.

Celloglas make staff aware of ways of saving carbon. Small things like putting awareness stickers on light switches to turn the lights off when not in use and making sure we turn off computers overnight, make a difference.

Further examples of our commitment to the environment

- Carbon Footprint targeted year on year reduction of 5% per annum.
- Installation of low energy lighting at all sites.
- Representation on the BPIF Environmental Committee.

