

Rely on us.SM



Product Catalogue

FlintGroup



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Flint Group has long been dedicated to serving the global printing, converting and colourant industries. Our continuing commitment to improve our products and services ensures that...

You can rely on us for nearly all your printing needs. An unrivalled and unique product portfolio enables us to meet almost every requirement. Around the world, our sales and technical experts deliver powerful solutions to help customers achieve their goals.

You can rely on us for the same level of exceptional value, consistent quality and continuous innovation you deserve... and have been getting from Flint Group throughout our history. Customers, from packaging converters to commercial printers to publishers and beyond, look to Flint Group for high-quality, high-impact products and solutions that will distinguish their businesses from the competition.

You can rely on us to respect the environment. Flint Group is committed to formulating innovative, environmentally friendly products. We aim to deliver maximum performance and quality while minimising potential negative impact to the environment. In addition, you can be assured that we are meeting or exceeding all regulatory, environmental and other standards set by organisations, governments, customers and the communities in which we operate.

You can rely on us. In fact, chances are you already have. Around the world, Flint Group products bring to life the printed pieces we hold and use each day.

Sustainability Statement and

Flint Group's approach to continuously improve sustainability is underpinned by our own Mission and Guiding Principles – a fundamental set of simple, clear values.

Flint Group operates within the spirit of the UN Global Compact for sustainability. Everyday our people and teams are committed to providing increased health, safety and wellbeing whilst a continuous improvement programme is in place to reduce our current environmental impact now and for future generations. An uncompromising integrity policy and strong ethical values set by our own Guiding Principles ensure that you can truly **Rely on us** for sustainable development...

This strategy enables Flint Group to deliver integrated solutions in the three key dimensions of corporate sustainability*:-

- Economic** guides corporate governance, code of conduct, risk and compliance.
- Environment** steers our goal to continually reduce impact on the environment and regulates the reporting of progress with this.
- Social** drives corporate citizenship, labour practices, people development, social reporting, talent attraction and retention.

* - As outlined within the Dow Jones Sustainability Index.

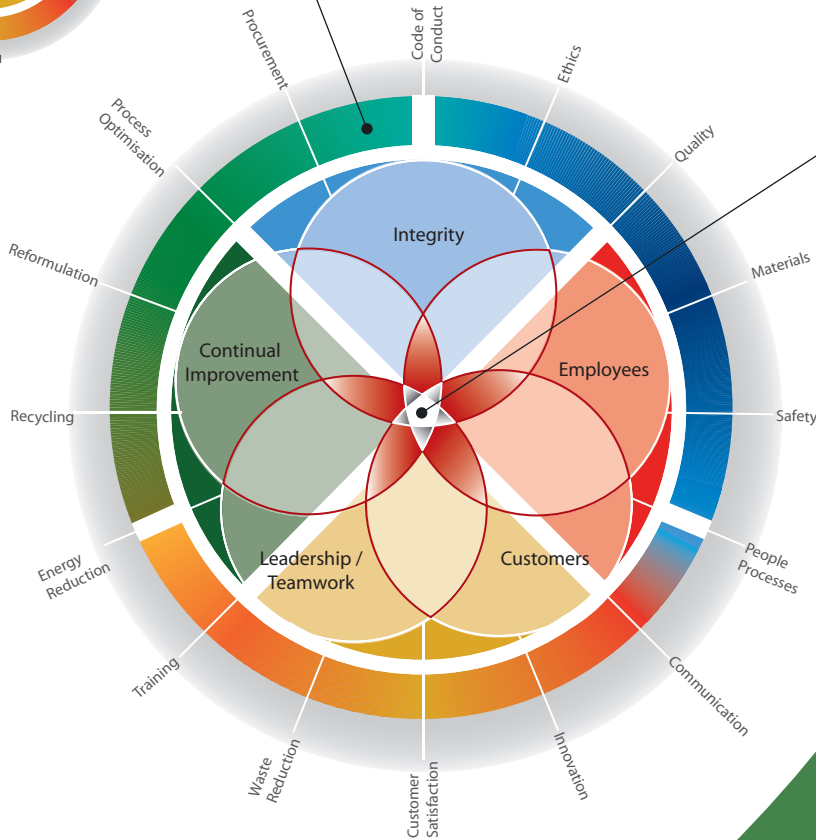
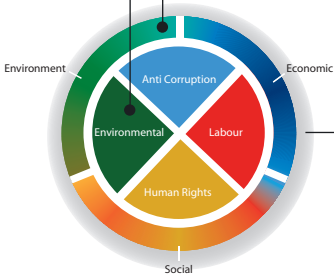


Reporting Model...

Flint Group's Sustainability Model:

Flint Group's Sustainability Model combines three elements:

- 1. Flint Group's Mission and Guiding principles - our way to ensure to that we deliver on our commitments**
 The long established Mission and Guiding principles cover in 5 key areas the way of working in Flint Group. This fundamental set of simple clear values allow us to align our activities internally within the spirit of the UN Global Compact while our external reporting methods detail the delivery of integrated long term economic, social and environmental solutions:
- 2. The UN Global Compact**
 Anti Corruption, Labour, Human Rights, Environmental
- 3. The reporting outline as defined by the Dow Jones Sustainability Index**
 Economic, Social, Environment



Products and Support to Meet the Demands of Sheetfed Printing

Today's sheetfed printer faces more challenges than ever before; increased pressure to do more with less, hold down costs, improve quality and produce jobs quickly to meet tight deadlines. To successfully control these challenges and create a competitive advantage, the printer must carefully select the right products and people to partner with.

No other company offers a greater choice of solutions to the sheetfed printing and packaging industry. This makes us unique, and, with hundreds of years of experience in working with customers who expect us to improve their performance, you can be sure that we always have the right product to deliver optimum results!



Standard Process Sheetfed Inks

Novastar® F1 DRIVE	The all-round series for top-quality straight-line printing.
Novavit® F 918 SUPREME BIO	The fast series in BIO quality for perfecting.
Novasens® P 660 PREMIUM	Extremely low odour and low migration series for coated paper and carton board.

F 760 VISION PLUS	The all round series for straight printing.
F 878 MARS	The high-quality series for perfecting.



UV Process Sheetfed Inks

Ultraking® 6100	Fast curing on coated and uncoated paper, carton board, PE laminated board.
Ultraking® 7000 XLM	Extremely low odour, low migration UV series for coated and uncoated paper and board.
Ultraking® 7730	For high speed UV applications on coated and uncoated paper, carton board, PE laminated board.
Ultraking® PLAS XTN	High colour strength UV series suitable for printing plastic substrates and coated and uncoated paper and board.



Sheetfed Printing Blankets

IPT 6901	Enhanced release properties with precise dot reproduction and smooth solid lay down.
dayGraphica 36	General purpose printing blanket for use with conventional ink.
dayGraphica 56	Optimum ink transfer for dense uniform solids.
dayGraphica 370 Deco-Print®	Designed for two-piece metal can printing.
dayGraphica 3000	High quality premium printing blanket for use with conventional ink.
dayGraphica 3610	Optimum performance and life on a variety of presses and paper combinations.
dayGraphica 4100	New development, high performance blanket with an EPDM face compound for use with UV inks.
dayGraphica 7000	Dual purpose UV/conventional blanket.
dayGraphica 8200	Unsurpassed performance with UV inks.
dayGraphica 8450	The perfect blanket for adhesive blanket forms presses.
dayGraphica 8700	Maximum ink release with even printing pressure.
davidM QL Blue	High performance on conventional applications.
davidM QL Purple	Developed to withstand the rigors of inter-station ultra-violet curing.
dayGraphica QC52UV / QC52	Metalback blankets designed for KBA Genius 52UV Presses.





Sheetfed Fountain Solutions

Varn® Supreme	General purpose fount for use with conventional and UV inks, for use with IPA.
Varn® Aquarius AC	New technology allows positive prevention of build-up of calcium salts from paper and ink. It is effective with all types of dampening systems, both conventional and continuous, both with and without alcohol.
Varn® Excel	Designed to work on a wide variety of dampening systems and local water conditions. Compatible with the latest CtP technology including thermal direct processorless plates and for use with mineral, vegetable and soy based inks.
Varn® Protector Fount	A one step alcohol replacement fountain solution will dramatically reduce the use of alcohol, in many cases eliminating it completely.
Varn® Supreme 8168	High performance single step alcohol replacement for sheetfed presses with improved ink and water balance for conventional, hybrid and UV inks.
Varn® Multifount Plus	Versatile fountain concentrate, formulated for use with all inks (including UV and metallics) across a wide range of printing substrates.



Sheetfed Blanket and Roller Washes

Varn® V60 Wash	FOGRA approved, general purpose AIII wash for both manual and automatic application, suitable for conventional inks.
Varn® UV Wash	FOGRA approved wash for removal of UV inks, only suitable for EPDM rollers and blankets.
Varn® Hydrosolv AIII	High flashpoint, for both UV and conventional inks.
Varn® VWM Wash	Economical All water miscible wash for manual applications, suitable for conventional inks.
Varn® V40 Wash	Low odour, water miscible wash, removes all types of glaze.
Varn® Premium Wash 40	Formulated to clean both solvent and water soluble glaze from rubber rollers and blankets.



Anti Set-Off Spray Powders

Varn® Anti Set-Off Powders are available in two series; Regular (uncoated) powders and Coated powders, each series comprising of Fine, Medium and Coarse grades.

The Coated series of powders are micro-encapsulated with a slip agent which enhances the powder, increasing its hydrophobic properties. They repel water and are attracted to the ink's surface, giving better 'set-off' protection and increased mileage.

Varn® Coated powders are quite different in their working properties from the conventional or regular powders, but both types perform well in all spray units, and because they resist humidity, they will not clog spray nozzles.

Regular Series	Coated Series	Micron Range	Recommended Stock Weight
Fine	Fine	20 - 30	<200 g/m ²
Medium	Medium	30 - 40	200 - 400 g/m ²
Coarse	Coarse	50	>400 g/m ²
	CC20	20	<200 g/m ²
	CC30	30	200 - 400 g/m ²



Dependable Products and Support for the Newspaper Printer

The newspaper business demands instantaneous performance with guaranteed reliability. Customers have expectations of high-performance quality and colour whilst meeting the challenges that come with recycled substrates in an ever-changing print environment. Flint Group's comprehensive portfolio of coldset printing inks, Day blankets and Varn washes and fountain solutions rise to the challenges of performance and timelines.

Beyond quality, reliable products, Flint Group's unrivalled Technical Support Team helps you solve print problems quickly so you can meet your deadline. With an unrivalled expertise in printing technology, the team supports you in resolving issues, providing answers and working with you to promote process efficiencies. The combination of Flint Group's unique portfolio and unmatched Technical Support creates a competitive advantage that ensures your product excels in a competitive arena.

News Print Inks

Arrowlith Series High performance news ink process colours.



dayGraphica 3000	High quality premium printing blanket for use with conventional ink.
dayGraphica 3610	Optimum performance and life on a variety of presses and paper combinations.
dayGraphica 3700	Increased productivity plus better efficiency equals more value for newspaper printers.
dayGraphica 5000	A durable long life news print blanket using DuraZone Technology.
dayGraphica 8700	Maximum ink release with even printing pressure.
dayGraphica 8889	Specifically designed for newspaper presses that require a neutral feed characteristic.
dayGraphica 8891	Precise printability for crisp black and colour headlines, sharp contrast and quality four-colour process.
dayGraphica 8894	Maximum release characteristics and precise printability. Good solid densities. Maximum smash resistance. Flexible packing requirements.
dayGraphica 8897	Durable carcass for longer blanket life, superior print surface for a sharp dot and good solids. Versatile packed blanket can also be run in no-pack mode.
dayGraphica 9500	Exclusive patented printing surface is engineered to carry more ink and distribute it more evenly.
dayGraphica t3000	High quality, high performance gapless sleeve for news print applications. Nickel or fibreglass-composite based.
dayGraphica MB Newsprinter 8189	Metalback blanket for Satellite Newspaper presses.
dayGraphica MB Newsprinter 8190	Metalback blanket for Blanket to Blanket Newspaper presses.
dayGraphica MB Newsprinter 8193	Metalback blanket for single around Newspaper presses.



News Print Fountain Solutions

Varn® Journal Fount MW	Complete fount solution that prints sharper and will give quick, clean start-up with a definite reduction in ink consumption.
Varn® Journal Fount SEWD	Extra dynamic wetting, designed to create finer droplets and a more even distribution of dampening spray.
Varn® Uniset LF Plus	Non-foaming fount suitable for both heatset and coldset presses, and meets the strict requirements of press manufacturers.
Varn® Newslines 435	Low-VOC, FOGRA-approved mild acid fountain solution designed for optimal compatibility with Flint Group news inks.



News Print Blanket and Roller Washes

Varn® V60 Wash	FOGRA approved water-miscible blanket & roller wash designed for full-strength use in automatic wash-up units. Baldwin-approved.
Varn® Natural Wash	FOGRA approved, manufactured from highly refined chemical solvents and vegetable based cleaners using the latest technology to comply with the stringent original equipment manufacturers' specifications.
Varn® Journal Wash	Formulated to take advantage of the latest ink solvent technology while maintaining safety in handling and storage.
Varn® News 75 Wash	FOGRA approved water miscible roller and blanket cleaner exclusively formulated for use in the ever changing and demanding newspaper industry.

A Unique Portfolio to Meet the Challenges of Heatset Printing

Expectations of improved print efficiency, higher-quality images and lower-cost business models put pressure on heatset web print houses every day. Flint Group helps customers face each of these challenges. Whether you are printing high-end commercial, insert or directory jobs, the influence of recycled stock, new substrates, alkaline-based papers, high-speed presses and pressroom automation can make it tough to print quality on time and on budget.

As a leading manufacturer of high-quality heatset inks, blankets and sleeves, fountain solutions, silicones, pressroom washes and cleaners, Flint Group is perfectly placed to help you effectively meet those challenges. In most of our production locations, the entire process chain from raw material to the finished product is housed under one roof, allowing us to maintain stringent quality and process control.

Heatset Inks

Flint Group's ARROWEB ink system is the most robust, consistent, and affordable ink series for the gamut of heatset printing applications. Standard, premium and platinum strength grades cover all your needs and offer enhanced rub resistance, coatability and special hues. ARROWEB inks improve density control, eliminate picking, minimise piling and blanket washes, and reduce inventory. ARROWEB inks have proven performance across all heatset applications, prepress platforms, paper substrates, and press equipment

Arroweb 411/412 series

Mid tack high performance heatset ink series designed for a variety of substrates and pressroom configurations.

Heatset Printing Blankets

dayGraphica 3000	High quality premium printing blanket for use with conventional ink.
dayGraphica 3610	Optimum performance and life on a variety of presses and paper combinations.
dayGraphica 3700	Increased productivity plus better efficiency equals more value for heatset printers.
dayGraphica 5000	A durable long life heatset web blanket using DuraZone Technology.
dayGraphica 9500	Exclusive patented printing surface is engineered to carry more ink and distribute it more evenly.
davidM QL Blue	High performance heatset web blanket.
dayGraphica t3000	High quality, high performance gapless sleeve for heatset web applications. Nickel or fibreglass-composite based.
dayGraphica QC 3192 & QC 3193	Built with innovative DuraBond technology, these metalbacked blankets for commercial Heatset presses raise the industry standard for delamination resistance and durability.





Heatset Fountain Solutions

Varn® Superspeed AC

Designed for high speed heatset web presses, gives sharper prints.

Varn® Webspeed AC

Alcohol replacement fountain solution using the latest technology designed for high speed web offset heatset presses with anti-calcium formula.



Heatset Blanket and Roller Washes

Varn® V60 Wash

FOGRA approved water-miscible blanket & roller wash designed for full-strength use in automatic wash-up units. Baldwin-approved.

Varn® Natural Wash

FOGRA approved, manufactured from highly refined chemical solvents and vegetable based cleaners using the latest technology to comply with the stringent original equipment manufacturers' specifications.

Varn® Journal Wash

Formulated to take advantage of the latest ink solvent technology while maintaining safety in handling and storage.

Varn® News 75 Wash

FOGRA approved water miscible blanket and roller wash, exclusively formulated for use in the ever changing newspaper industry.



Heatset Silicones

The ability of Flint Group to manufacture our own silicone oils, unique within suppliers of silicone emulsions into the print industry, has enabled us to create a new type of silicone technology which drastically reduces the amount of silicone oil required to provide anti-marking and slip properties. This patented technology results in a silicone film with a lower migration into the paper surface and a higher concentration of a more effective silicone oil at the paper surface where it can provide better and more efficient lubrication.

Varn® Pro-Web Plus Silicones offer excellent stability, low viscosity and enhanced wetting giving an even, unbroken film on the applicator roller all of which enhances emulsion transfer.

Varn® Pro-Web Titanium Plus

50% solid content silicone based emulsion.

Varn® Pro-Web Platinum Plus

32% solid content silicone based emulsion.



Unique and Comprehensive Expertise in Flexographic Printing

From the design to the graphic on the substrate, Flint Group offers a unique package of print solutions, comprising service as well as a broad range of specialised products.



Flexographic Products

Varn® Flexowash

Detergent based wash-up for both solvent and water based inks.

Varn® Enviroflex Anilox Paste

A highly effective cleaning paste specifically formulated for the removal of aqueous, solvent and UV based inks from anilox rollers.

Varn® Enviroflex Ultra Heavy Duty Cleaner

The ultimate heavy duty cleaner specially formulated for the easy removal of the most challenging of hard dried down inks & coatings.

Varn® Enviroflex Pad

Specially designed to penetrate deep into each microscopic anilox roller cell, providing maximum cleaning performance on even the most stubborn ink residues.



Cleaners and Rejuvenators for all printing applications

Varn® Calcium Eliminator	Liquid deglazer for removing calcium from rollers and blankets, eliminates ink stripping and ink transfer problems.
Varn® Revitol	Detergent based roller deglazer for rollers and blankets.
Varn® Take It Off	Non-abrasive paste deglazer for rollers and blankets.
Varn® Roller Paste	Superior roller deglazing paste, which penetrates deep into the rubber surface lifting out dried ink, dissolving built-up glaze and removing calcium.
Varn® Super Rubber Rejuvenator	Roller and blanket rejuvenator. Not recommended for use on urethane or EPDM rollers.
Varn® MRC	Fast evaporating dampener and metering roller cleaner.
Varn® Complete	Plate cleaner and plate gummer in one product, cleans and gums in one application.
Varn® Plate Plus White	Heavy duty plate cleaner containing a superfine abrasive to enhance cleaning.
Varn® Plate Plus Pink	Heavy duty plate cleaner for UV applications.
Varn® CtP Plate Cleaner	For the removal of ink or to desensitise without damaging even the softest of CtP plate coatings.
Varn® Fountclean	Non foaming fount systems cleaner to remove impurities from recirculating systems.
Varn® Pro-Kleen	General purpose cleaner/degreaser designed for a wide variety of press room cleaning applications.



Speciality Products for all printing applications

Varn® Aqua Conditioner	Hardening agent for fully desalinated water.
Varn® Compound 747	Reduces tack, improves ink lay on all types of stock and prevents sheets from sticking to blankets.
Varn® Roller Lube	Mineral oil based lubricant for printing units not being utilised. Not suitable for EPDM rubber compounds.
Varn® Plate Gum	A blend of high quality desensitizers, which protect the non-image area from oxidation. Suitable on all modern pre-sensitised aluminum plates.
Varn® CtP Plate Processor Bath Cleaner	Water miscible solution, removes all coatings and residues that re-deposit during plate processing.
Varn® CtP Multigum	Ready to use synthetic plate finisher. Suitable for CtP Thermal, Photopolymer and conventional negative and positive plates.
Varn® Pyrogum	Ready to use baking solution suitable for machine or manual application. Suitable for use on conventional positive, CtP photopolymer and CtP thermal plates.

