



Rely on us.SM

Coating Products for Sheetfed

nyloflex® Coating Plates | Novaset® Coatings | Arrowcure Coatings | Arrowcoat OPVs | DAY Blankets



FlintGroup

Global Reach – Wide Portfolio – All Needs Covered!

Flint Group is a global organisation, with locations in over 140 countries. This allows us to reach out to our print customers wherever they are, with extraordinary levels of service and dedication, making our customers glad that Flint Group is their partner.

When you combine this global footprint with the widest portfolio of print consumables brought to you by any manufacturer, anywhere, it's clear to see why Flint Group is regarded as the supplier of choice by so many international, as well as small independent printers around the world.

For example, the crucial area of varnishes and coatings, which are becoming increasingly more important – not just as an aid to sophisticated design, creating gloss and matt effects or for spot coating, but first and foremost for protecting the printed product. We in Flint Group are unique, in that we can supply not only the product to enhance and protect, but also the medium to transfer that coating onto the chosen substrate, no matter where you are.



The products showcased in this publication are all manufactured in Flint Group production facilities in Europe and North America and shipped around the world.... offering unrivalled quality, consistency and service, and what's more, regardless of your location, you can be confident that when you buy a coating product from Flint Group, it will be the same quality in Peru, Pakistan or Portugal! That's how global we are and how wide our portfolio offering is.

But please read on and find out more about our coatings products, and how Flint Group is the best placed supplier to meet all your coatings needs, wherever you are!

Appealing by definition – nyloflex® coating plates from Flint Group Flexographic Products

Gloss and matt effects, brilliant sparkle or shimmers, tactile surface structures and scented print designs make commercial and packaging printing more appealing.

Print finishing using low-viscosity coating systems in sheetfed offset printing opens up a multitude of possibilities – to generate these effects in a creative and cost-effective way, the printer needs:

- A flexo coating unit with doctor blade and anilox roll system
- Low-viscosity coating systems (colourless or pigmented)
- The coating plate as a transfer medium

The versatile **nyloflex®** coating plates for inline and offline print finishing are the transfer media for consistent coatings with excellent contour definition. Either for print finishing on film and foil, paper, coated paper and board,

or on rough substrates, the **nyloflex® Seal F** and **nyloflex® Gold A** plates meet virtually all coating requirements and cover all printing press formats up to size VI.



Example of a high-resolution gold print with **nyloflex® Gold A 116 D**

Suitable for dispersion and UV varnishes, the **nyloflex® Gold A** and **Seal F** plates provide consistent varnish transfer over long print runs. In combination with soft touch varnishes, metal pigment (gold and silver) and pearlescent inks, nyloflex coating plates make eye catching packaging for high quality cosmetic, confectionary, food and toy products.

COATING PLATES

Just one plate thickness – the **nyloflex®** coating plates support the standardisation process with flexo coating systems in sheetfed.

High quality and environmentally friendly – the digital nyloflex® coating plates

- More open intermediate depths and increased contour definition
- More cost effective and environmental friendly processing, as no film is required
- The print finishing quality can be further increased by using surface screenings



nyloflex® Gold A

- Unique coating plate on aluminium base
- Highest register accuracy, even during repeat print runs
- Broad application range: from low to high resolution, from solids to line and screen designs
- Brilliant print results with metal pigment and pearlescent inks
- Minimal line width increase for high print-coating contrast

nyloflex® Seal F

- Film based coating plate with excellent dimensional stability
- Particularly good print results with matt and structure varnishes
- High resolution and print contrast

Diverse and variable – Flint Group’s range of coatings and varnishes

Our broad range of coatings and varnishes for sheetfed offset covers all three coating technologies – water-based coatings, UV varnishes and oil-based varnishes. Each technology stands for a specific properties profile and has its strengths and benefits. It is important to choose the right one, depending on the individual requirements, customer needs and technical circumstances.

	Water-based coatings	UV varnish	Oil-based varnish	
Matt-/Gloss Effect	●	●	●	
Effects	●	●	●	
Printability	●	●	●	● Excellent
Energy Balance	●	●	●	● Very Good
Costs	●	●	●	● Good

The portfolio of all three ranges is as diverse and variable as the daily printing challenges of commercial and packaging printers. Our products are perfectly matched to Flint Group’s process ink series’ and so finely tuned with each other that we can always offer a suitable product for you.

The following properties are common to all of them:

- Modern and energy-efficient manufacturing process
- Raw materials selection according to the EuPIA exclusion list
- Permanent further development and optimisation of the ranges
- GMP compliance for all products for food packaging applications
- Consistent and reliable product quality

COATINGS & VARNISHES



Novaset® water-based coatings

Novaset® water-based coatings are all manufactured with a unique, new and energy saving production technique that offers product advantages in regard to printability and consistency as well as positive environmental aspects.

The portfolio includes:

- High gloss, gloss, neutral, silk matt, matt and strong matt coatings
- High slip and anti-slip adjusted coatings
- Speciality coatings such as soft touch, anti-curl, temperature resistant, barrier, blister, primer, cigarette and playing cards coatings
- Wide selection of low-migration coatings for the printing of food packaging
- Coatings without the need for hazardous labels



Arrowcure Coatings

A Leading Light – Flint Group **Arrowcure Coatings** range covers:

- High gloss and matt varnishes
- Varnishes for carton, plastic and glueable applications
- Low migration varnishes for food packaging
- Varnishes for low energy and LED lamp systems

Arrowcoat – oil-based overprint varnishes

Our **Arrowcoat** range of oil-based overprint varnishes offers:

- High gloss, silk matt and matt varnishes
- Versions with specific properties such as optimised yellowing characteristic, optimum rub protection etc.
- BIO-based versions that comply with the European Ecolabels requirements

For more information please ask for our individual range overview brochures.

Coating blankets for the application of water-based coatings or UV varnishes on in-line coating units

Designed specifically for the packaging market, Flint Group coating blankets are optimised for ease of use in the most typical coating work – jobs that require coating free “windows” for post production printing of best by dates, batch numbers and glue flaps.

Flint Group’s portfolio of **Duco Superstrip** coating blankets comprises several different construction types and gauges. There is a Flint Group coating blanket for all types of press and coating work.

Duco Superstrip FB

The fabric back version available in 1.96 mm gauge is best suited for one off or repeat jobs that will be run two or three times.

Duco Superstrip PB

These polyester backed blankets, available in 1.15, 1.30, 1.35 and 1.96 mm gauges offer total dimensional stability and are most cost effective for multiple repeat jobs. The blankets can be stored with the certainty that precise register will be achieved each time the same job is printed and coated.

Duco Superstrip SB

The sticky back **Duco Superstrip SB** blankets, available in 0.95 and 1.05 mm gauges, are ideal for those printers who want to mount the blanket directly onto plates or other carrier materials and also as an economical solution for spot coating small areas.

COATING BLANKETS




Product	Backing	Application
Duco Superstrip FB	Fabric	Coating on one-off print runs
Duco Superstrip PB	Polyester	Coating on regular repeat work
Duco Superstrip SB	Adhesive	Convenient and economical, for mounting on a plate or polyester carrier

You will find the same user friendly features with all Flint Group coating blankets.

Clean stencils can be achieved in house either by hand or cad table cutting, no waiting for third party suppliers in order to start a job. Deep stencil depth ensures long uninterrupted production, minimising the need for frequent wash ups.

Specially formulated compressible layer provides easy peeling for quick trouble free stencil preparation. Tough solvent resistant face rubber offers dual functionality for both water-based coatings and UV varnishes. Optimum gloss levels by virtue of the soft micro-buffed surface.





**For Novaset® Coatings,
Arrowcoat, Arrowcure Products**

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