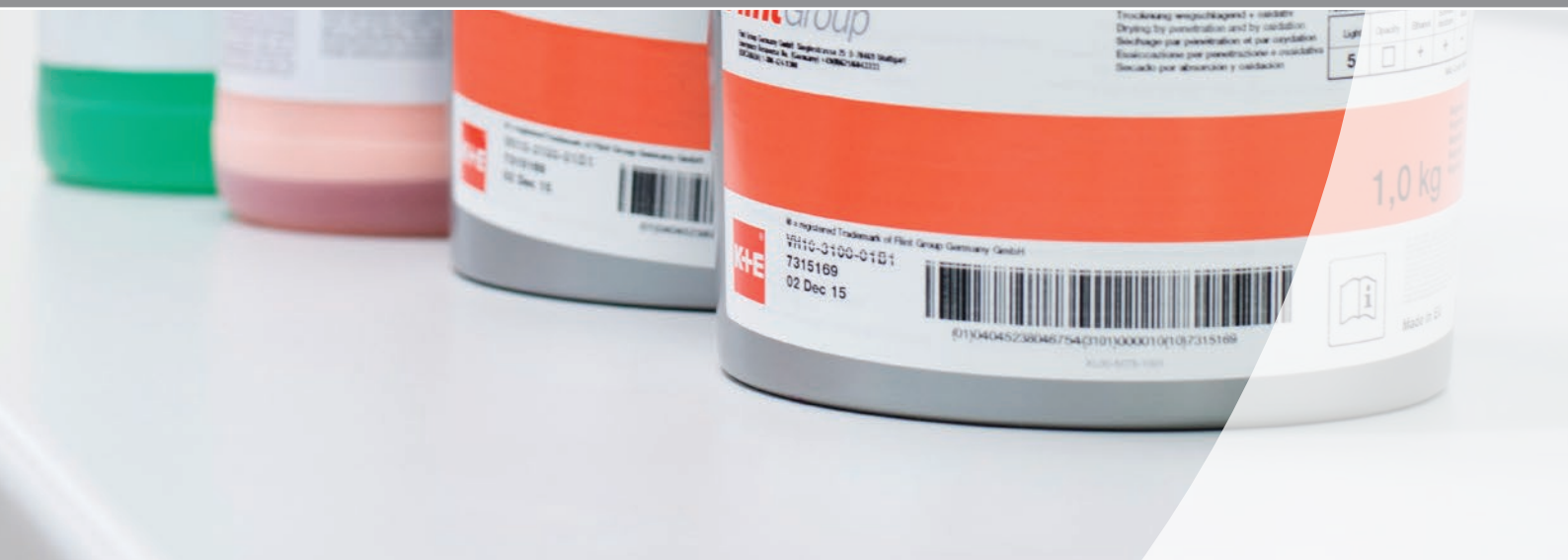


**Rely on us.**<sup>SM</sup>



## Trusted Brands

## Flint Group products for Sheetfed Offset Printing



**Flint**Group



## **Flint**Group

### Your specialist partner for Sheetfed Offset Printing

We are the leading manufacturer of high-quality sheetfed inks, coatings, blankets, fountain solutions, pressroom washes and cleaners, anti-set-off powders, and more.

No other company offers a better choice of solutions to the sheetfed printing and packaging industry.

Our sheetfed business is centrally organised, with a fully dedicated, market focused, global team.

We gain technology leadership through innovative products and services which are consistent, wherever in the world they are delivered.

## More Products You Need. Expert Support You Deserve. And, Peace of Mind.

Flint Group offers a uniquely powerful combination of products, services and expertise.

The products presented in this brochure and on the quick reference matrix below, make up the core of our portfolio.

Please refer to [www.flintgrp.com](http://www.flintgrp.com) for further information on these selected products and on our complete range for sheetfed printing.

Application	Inks	Gloss Coating	Printing Blankets	Coating Blankets	Fountain Solutions	Washes
Commercial Straight	F 760 VISION PLUS	Novaset® 4211/40	IVO	dayGraphica 47/48	Varn® Supreme	Varn® VWM Wash
Commercial Straight	Novavit® F 700 SPEED PLUS	Novaset® 4211/40	dayGraphica 36	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Straight	Novavit® F 100	Novaset® 4211/40	dayGraphica 3000	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	F 960 VISION PLUS BIO	Novaset® 4211/40	IVO	dayGraphica 47/48	Varn® Supreme	Varn® VWM Wash
Commercial Perfecting	Novastar® F 908 LOW TACK BIO	Novaset® 4211/40	dayGraphica 36	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	Novavit® F 1000 WIN BIO	Novaset® 4211/40	dayGraphica 3000	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	Novaboard® C 1090 RACE BIO	Novaset® 4211/40	dayGraphica 3000	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	Novavit® F 940 LIBRA PLUS BIO	Novaset® 4211/40	dayGraphica 3610	dayGraphica 47/48	Varn® Libra Fount	Varn® V60 Plus
Commercial Perfecting	Novavit® F 950 PLUS BIO	Novaset® 4211/40	dayGraphica 5200	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	Novavit® F 918 SUPREME BIO	Novaset® 4211/40	dayGraphica 3000	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Perfecting	Novaboard® C 990 PROTECT BIO	Novaset® 4211/40	dayGraphica 3000	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Commercial Fastest Converting	Novavit® F 900 EXTREME BIO	Novaset® 4211/40	dayGraphica 5200	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Folding Carton Non Food	F 960 VISION PLUS BIO	Novaset® 4211/40	IVO	dayGraphica 47/48	Varn® Cal-Kleen	Varn® VWM Wash
Folding Carton Non Food	Novastar® F 908 LOW TACK BIO	Novaset® 4211/40	dayGraphica 36	dayGraphica 47/48	Varn® Cal-Kleen	Varn® V60 Plus
Folding Carton Non Food	Novavit® F 918 SUPREME BIO	Novaset® 4211/40	dayGraphica 3610	dayGraphica 47/48	Varn® Premier GP Varn® GP 3000	Varn® V60 Plus
Folding Carton Food Low Migration	Novasens® P 660 PREMIUM	Novaset® 4211/40	dayGraphica 3610	dayGraphica 47/48	Hydrofast® AFS 359	Varn® Non-VOC Wash
UV	UltraCURA Max (paper & board) UltraCURA King (paper & board)	CURA Lac 100/5B CURA Lac 160-BF/1A	dayGraphica 4100	dayGraphica 47/48	Varn® Supreme	Varn® UV Wash
UV	UltraCURA Plas (plastic)	CURA Lac 100-BF/1A PLAS	dayGraphica 4100	dayGraphica 47/48	Varn® Supreme	Varn® UV Wash
UV Low Migration	UltraCURA Sens (paper & board) UltraCURA Sens Plas (plastic)	CURA Lac180/5A XLM	dayGraphica 4100	dayGraphica 47/48	Hydrofast® AFS 359	Varn® UV Wash





# SHEETFED PROCESS INKS



## Standard Process Sheetfed Inks

Novavit® F 900 EXTREME BIO	The BIO-quality roller-fresh series with excellent setting properties.
Novavit® F 950 PLUS BIO	The fast series for highest printing speed.
Novavit® F 940 LIBRA PLUS BIO	The fast series for IPA free printing.
Novavit® F 918 SUPREME BIO	The fast series in BIO quality for perfecting.
Novavit® F 1000 WIN BIO	The fast BIO series for maximum flexibility in choice of substrate.
Novavit® F 100	The fast series with fast oxidative drying.
Novaboard® C 1090 RACE BIO	The fast drying, high rub resistant, BIO process series.
Novaboard® C 990 PROTECT BIO	The rub-resistant series in BIO quality for perfecting.
Novavit® F 700 SPEED PLUS	The fast series for highest straight-line printing speeds.
Novastar® F 908 LOW TACK BIO	The all-round series for an optimal approach to the ISO12647-2 standard.
Novavit® X 800 SKINNEX®	The fast series with roller-fresh setting.

## Standard Process Sheetfed Inks

F 760 VISION PLUS	The all-round series for straight-line printing.
F 960 VISION PLUS BIO	The all-round series for perfecting.

## Special Process Sheetfed Inks for Food Packaging Application

Novasens® P 660 PREMIUM	Extremely low odour and low migration series for coated paper and carton board.
Novasens® P 600 PURE	Low odour and low migration series for coated paper and carton board.

## Special Process Sheetfed Inks for Non-Absorbent Substrates

Novaplast® BIO	Extremely fast drying series for printing on foil and other non-absorbent substrates.
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# SHEETFED BASE COLOUR INKS


## BCS Base Colour Ink Series

Novavit® BCS BIO INTENSIVE	Duct-fresh, ready-to-print base colour ink series, highly pigmented, based on renewable raw materials, optimally suited for mixing colour shades of the PANTONE®PLUS colour book.
Novavit® BCS BIO ND/NA	Base colour ink series featuring variable drying speeds and wide choice of applications and substrates, highly pigmented, based on renewable raw materials, optimally suited for mixing colour shades of the PANTONE®PLUS colour book, different drying properties depending on the addition of drier or antidier.
Novaboard® BCS BIO INTENSIVE	Rub-resistant, fast drying base colour ink series, specially for the printing of returnable bottle labels, highly pigmented, based on renewable raw materials, optimally suited for mixing colour shades of the PANTONE®PLUS colour book.

## BCS Base Colour Ink Series for Food Packaging Application

Novasens® BCS PREMIUM	Extremely low-migration and low-odour base colour ink series, highly pigmented. For the outer printing of food and semi-luxury food packagings. Optimally suited for mixing colour shades of the PANTONE®PLUS colour book, for packaging that complies with EU regulation 1935/2004 and 2023/2006 as well as Swiss Ordinance 817.023.21, free of mineral oil.
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## PANTONE®Base Colour Ink Series

 Novavit® Easy Mix BIO	Duct-fresh, ready-to-print PANTONE®base colour ink series, highly pigmented, based on renewable raw materials, PANTONE®certified, optimally suited for mixing colour shades of the PANTONE®PLUS colour book.
Novavit® Eco Mix BIO	Duct-fresh, ready-to-print and economical base colour inks series, based on renewable raw materials, suited for mixing colour shades of the PANTONE®PLUS colour book, formulations of the colour book can only be adopted to a limited degree.



# SHEETFED COATINGS & VARNISHES

## Sheetfed Water-based Coatings

Novaset® 4200/40 Gloss Coating	All-round coating with very high rub protection, low-migration.
Novaset® 4211/40 Gloss Coating	Especially for use in food packaging applications, low-migration.
Novaset® 4216/40 Gloss Coating	Very high temperature resistance, low-migration.
Novaset® 4401/40 Neutral Coating	All-round coating, suitable for double-sided application, low-migration.
Novaset® 4400/40 Matt Coating	All-round coating, suitable for double-sided application, low-migration.
Novaset® 4403/40 Silk Matt Coating	All-round coating, suitable for double-sided application, low-migration.
Novaset® 4510/40 Offline-Primer	Offline-primer for UV coating and foil lamination, suitable for non-absorbent substrates, low-migration.
Novaset® 4520/40 Inline-Primer	Inline-primer for UV coating in the double coating unit, low-migration.
Novaset® 4705/50 Barrier Coating	Barrier coating for board, temporary barrier against oil, fat and water, low migration.
Novaset® 4711/50 Anti-Slip Coating	Gloss anti-slip coating, low migration.



## Sheetfed Oil-based Varnishes

Novacoat® 8844 High Gloss Varnish	Based on BIO-binders for perfecting.
Novacoat® 9911 High Gloss Varnish	Very low yellowing characteristics.
Novacoat® 8833 BIO Silk Matt Varnish	Based on BIO-binders for perfecting.
Novacoat® 9933 Silk Matt Varnish	Very low yellowing characteristics.
Novacoat® 8855 BIO Matt Varnish	Based on BIO-binders for perfecting.
Novacoat® 9922 Matt Varnish	Very low yellowing characteristics.



## Sheetfed Oil-based Varnishes fulfilling the requirements necessary to obtain the Eu Ecolabel for printed products\*

Novacoat® 8944 BIO ECO Gloss Varnish	Based on BIO-binders, for perfecting. Complies with the requirements of the EU Ecolabel, the Austrian Umzeltzeichen UZ24 and the Nordic Ecolabel for printed material.
Novacoat® 8955 BIO ECO Matt Varnish	
Novacoat® 8933 BIO ECO Silk Matt Varnish	

\*Exclusive for Europe

# SHEETFED UV INKS

## UltraCURA UV Process Inks

UltraCURA Max	High speed UV applications on coated and uncoated paper, carton board and PE laminated board. Also suited for traditional UV presses.
UltraCURA King	Premium performance on most demanding dampening systems UV applications on coated and uncoated paper, carton board and PE laminated board.
UltraCURA Plas	UV applications non-porous plastics and films where maximum adhesion is required.
UltraCURA Sens	Low odour, low migration series suitable for primary food packaging, on coated and uncoated paper and carton board.
UltraCURA Sens Plas	Low odour, low migration series specially formulated for sensitive non-absorbent materials such as foil and IML substrates, also suitable for primary food packaging on carton board.

## XCURA Low Energy Curing and UV LED Curing Process Inks

XCURA Max	Highly reactive UV ink series suitable for curing with LED and low energy lamp systems. Suitable for commercial and non-food packaging applications on paper, board and non-absorbent substrates.
XCURA King	Premium performance on most demanding dampening systems curable with LED and low energy lamp systems. Suitable for commercial and non-food packaging applications on paper, board and non-absorbent substrates.
XCURA Sens	Low migration series formulated for food packaging applications, using LED and low energy curing systems. Suitable for coated and uncoated paper and carton board.
XCURA Plas	Highly reactive and flexible UV series for use with LED and low energy curing systems. Specially formulated for non-porous plastics and films where maximum adhesion is required.

## UV Base Mixing Series & Spot Colours

UltraCURA Paper & Board Bases	A very high colour strength base colour ink series consisting of 13 base colour inks as well as black, transparent white and opaque white. It is supplemented by 9 base colour inks of the UltraCURA range with advanced resistances. Ideally suited for coated and uncoated papers and board as well as PE laminated board.
UltraCURA Sens Bases	A low-odour, low-migration base colour ink series for sheetfed packaging printing. It has been developed especially for food packaging applications where there is no direct contact between the printed image and the contents of the package. Ideally suited for plastic substrates like polyethylene, polypropylene, polyester, PVC etc. as well as coated and uncoated papers and board.
UltraCURA Plas Bases	A very high colour strength base colour ink series consisting of 13 base colour inks as well as black, transparent white and opaque white. It is supplemented by 9 base colour inks of the UltraCURA range with advanced resistances. Ideally suited for plastic substrates like polyethylene, polypropylene, polyester, PVC, etc.
XCURA Bases	A highly reactive UV base colour ink series for sheetfed and web offset presses that cures with low energy lamp technology and LED technology. It is suitable for commercial and non-food packaging application on paper, board and non-absorbent substrates. The series consists of 10 base colour inks as well as black, transparent white and opaque white. Full range of metallic effect inks also available.



# SHEETFED UV VARNISHES

## CURA Lac UV Varnishes

### Gloss Varnishes

CURA Lac 100/1A	Standard high gloss varnish; Medium/high slip, fast curing speed.
CURA Lac 160-BF/1A	High gloss. High slip, fast curing speed. ITX, Benzophenone and BP derivative free formulation.
CURA Lac 150-BF/3A Foil Blockable	High gloss low odour foil blockable varnish: high slip; fast curing speed, ITX, Benzophenone and BP derivative free formulation.
CURA Lac 160/3A GLUEABLE	Standard foil blockable and glueable gloss varnish; with hot melt adhesives. Suitable for hot foil stamping and thermal printing. Medium slip, fast curing speed.
CURA Lac 180/5A XLM	Low Migration, high gloss varnish; medium/high slip; fast curing speed, ITX, Benzophenone and BP derivative free formulation; high molecular weight photo initiators
CURA Lac 180/3A XLM Foil Blockable	Low migration, foil blockable gloss varnish; medium/high slip; fast curing speed, ITX, Benzophenone and BP derivative free formulation; high molecular weight photo initiators.

### Matt Varnishes

CURA Lac 200-BF/2A FLEXO MATT	Standard Matt varnish. Medium slip, fast curing speed. ITX, Benzophenone and BP derivative free formulation.
CURA 150-BF/2A Flexo Matt Foil Blockable	Matt foil blockable varnish; medium/high slip; fast curing speed. ITX, Benzophenone and BP derivative free formulation.
CURA 180/2A XLM Matt Foil Blockable	Low migration, matt foil blockable varnish; medium/high slip; fast curing speed. ITX, Benzophenone and BP derivative free formulation. High molecular weight photo initiators.

## XCURA Low Energy Curing and UV LED Curing Varnishes

XCURA Lac Gloss Wet Plate	Ductable UV Varnish for printing using Low Energy Lamp Systems.
XCURA Lac Matt Wet Plate	UV Varnish for printing using Low Energy Lamp Systems.
XCURA Hyper Gloss Varnish	UV Varnish for printing using HUV, HR, LE and LED Lamp Systems.
XCURA Hyper Matt Varnish	UV Varnish for printing using HUV, HR, LE and LED Lamp Systems.





# SHEETFED PRESS ROOM CHEMICALS



## Sheetfed Fountain Solutions

Varn® Premier Fount GP	Fogra approved general purpose fount for use with conventional and UV inks, for use with IPA.
Varn® ProTek 2300	ISEGA certified. Ideal for packaging and folding carton applications. Formulated for use with all inks (including UV and metallics) across a wide range of substrates.
Varn® GP 3000	Fogra approved ecological general purpose fount for all sheetfed applications.
Varn® Supreme	Fogra approved general purpose fount for use with conventional and UV inks, for use with IPA.
Varn® Premier Fount LA	Fogra approved IPA reduction fount for use with conventional and UV inks.
Varn® AF 4000	ISEGA certified advanced alcohol reduction fount compatible with all types of plates, fount systems and inks.
Varn® Cal-Kleen	Contains a sequestering agent to reduce calcium deposits on rollers and blankets. Suitable for use with recycled substrates, for use with IPA.
Varn® Libra Fount	Formulated to work with Novavit® F 940 LIBRA PLUS BIO. Delivers excellent results without the need for IPA, whilst reducing or eliminating picture framing.
Varn® Protector Fount	One step alcohol replacement fountain solution for all sheetfed presses. Stable in all water conditions, dramatically reducing the use of alcohol, in many cases eliminating it completely.
Hydrofast® AFS 359	Designed especially for printing with low-odour and low-migration sheetfed offset inks.



## Sheetfed Blanket and Roller Washes

Varn® V60 Plus	FOGRA approved, general purpose All 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® Hydro-Solv	Roller and blanket wash for mixed mode sheetfed presses, formulated to remove both conventional and UV inks, as well as water soluble and solvent soluble glaze.
Varn® VWM Wash	Economical All water miscible wash for manual applications, suitable for conventional inks.



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

# SHEETFED PRESS ROOM CHEMICALS



## Plate Maintenance Products

Varn® Complete	Plate cleaner and plate gummer in one product, cleans and gums in one application.
Varn® Plate Plus	Heavy duty plate cleaner.
Varn® True Blue	General purpose plate cleaner and desensitiser.
Varn® CtP Plate Cleaner	For the removal of ink or to desensitise without damaging even the softest of CtP plate coatings.



## Roller and Blanket Maintenance Products

Varn® Calcium Deglazer	Liquid deglazer for removing calcium from rollers and blankets, eliminates ink stripping and ink transfer problems.
Varn® Penetration Plus	Deep cleans and rejuvenates rollers and blankets. Not suitable for use on EPDM rubber compounds.
Varn® Revitol	Detergent based roller deglazer for rollers and blankets.
Varn® Take It Off	Non-abrasive paste deglazer for rollers and blankets.
Varn® MRC	Fast evaporating dampener and metering roller cleaner.
Varn® UV MRC	Dampener and metering roller cleaner, specially designed for UV inks.
Varn® Super Rubber Rejuvenator	Roller and blanket rejuvenator. Not recommended for use on urethane or EPDM rollers.



## Other Maintenance Products

Varn® Fountclean	Non foaming fount systems cleaner to remove impurities from recirculating systems.
Varn® Aqua Conditioner	Hardening agent for fully desalinated water.
Varn® Aqua Plus	Additive to water tanks of automatic blanket washes to maximise wettability of wash.
Varn® Compound 747	Reduces tack, improves ink lay on all types of stock and prevents sheets from sticking to blankets.
Varn® Defoamer	Antifoam to be added to dampening tanks to boost defoaming performance.
Varn® Ink Readi	Protective film providing resistance to ink skinning on rollers, in fountains and in ink cans.
Varn® Orange Scrub	Citrus hand cleaner with microbead particles to cut through the toughest grease and grime.
Varn® Premium IPA	Grade 1 Isopropyl Alcohol for use as a dampening additive or cleaning solvent.
Varn® Roller Lube	Mineral oil based lubricant for printing units not being utilised. Not suitable for EPDM rubber compounds.



# SHEETFED PRINTING BLANKETS

## Sheetfed Printing Blankets

dayGraphica 36	General purpose printing blanket for use with conventional ink.
dayGraphica 56	Extra ink transfer whilst maintaining sharp halftones and rich solids.
dayGraphica 2300 ProTek	Specially designed for high-speed sheetfed packaging 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 Ultrared UV	High performance blanket with an EPDM face compound for use with UV inks.
dayGraphica 4200 UV	Reduced swelling and embossing with UV inks.
dayGraphica 5200	Specially created for high performance, high speed wide format presses.
dayGraphica 7000	Versatile, dual purpose blanket for UV and conventional applications.
IVO	An economical and robust blanket for commercial sheetfed and carton printers using conventional inks.

## Sheetfed Coating Blankets

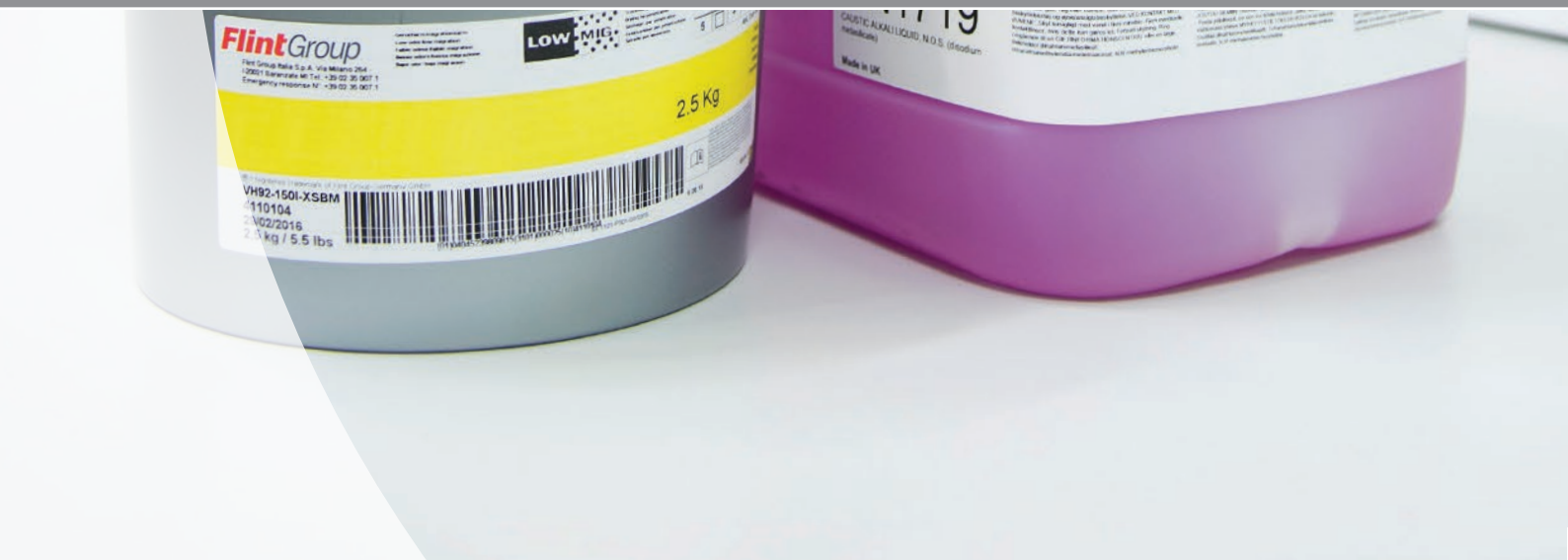
dayGraphica 47 FB	Fabric backed stripping blanket for single use coating applications.
dayGraphica 48 PB	Polyester backed stripping blanket for multiple use coating applications.







For more information, visit  
[www.flintgrp.com](http://www.flintgrp.com)  
or contact us on  
[sheetfed@flintgrp.com](mailto:sheetfed@flintgrp.com)



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