



Rely on us.SM

Innovative plate solutions for flexographic printing

nyloflex[®] printing plates

FlintGroup

Unique and comprehensive expertise in flexographic printing

Printing plates from Flint Group – to meet every challenge

Flexographic printing is the fastest growing printing process today. It offers the advantages of printing on a variety of different materials like film, foil, plastic, paper and board, using a wide range of inks, and printing with high speeds, offering exceptionally high quality. Most printers and print buyers have experienced a tremendous growth and technological advancement in various applications of flexographic printing.

Currently, Flint Group is one of the largest global suppliers offering both flexographic and letterpress printing plates and is a leading supplier of sleeves and adapters.

Flexographic printing plates, which are sold under the brand name nyloflex®, are designed to meet every challenge. New improved formulations of photopolymer printing plates are regularly developed to further enhance the quality standards achievable in flexography and to meet the latest market developments, such as new printing substrates or higher printing speeds. These developments are made in close cooperation with customers, based on their experience and requirements.

Flint Group combines experience and the latest trends in technology. With more than five decades of research and development while supplying the packaging industry, we have become experts in flexo and letterpress printing.



nyloflex®

For all packaging solutions from Flint Group visit www.flintgrp.com or contact us via info.flexo@flintgrp.com

FlintGroup

Flexible Packaging and Labels

Whether printing on film, foil, coated paper or self adhesive substrates, the solvent nyloflex® printing plates provide the highest, most consistent quality: fine screens and vignettes and smooth solids on all commonly used substrates.

nyloflex®	FTF	NEF	ACE	ACE UP	FAH	ACT	FAR	FAM	ART
Plate hardness (Shore A)	62	62	62	62	60	50	50	40	40
Analogue Digital	- D	- D	A D	- D	A D	A D	A -	- D	A D
Integrated Flat Top Dots	✓								
Flexible Packaging	✓	✓	✓		✓	✓	✓	✓	
Labels		✓	✓	✓	✓	✓	✓	✓	
Folding Cartons			✓		✓	✓	✓		✓
Aseptic Packaging				✓					
Corrugated – Preprint						✓		✓	✓

For details, please refer to the nyloflex® technical data sheet.



At Flint Group we work daily on all customer critical topics to satisfy our customers' needs for ever improving cost and quality according to our key principles of **Better, Faster and Easier to use**. As a result of comprehensive know-how, consistent research and the experience of more than five decades in the printing industry, the extensive range of nyloflex® flexographic printing plates meet every requirement. Although nyloflex® printing plates may be used in multiple applications, each plate is designed for a specific purpose.



nyloflex® FTF

The Easy Way to Flat Top Dots and surface screening

- Revolutionary plate technology for flexible packaging & labels
- Inherently flat top – no additional equipment, processing steps or consumables required
- Texturised surface – high ink density and even ink laydown in solids without the need for surface screening
- Excellent print resolution – reproduction of finest elements, subtle highlights and smooth vignettes



nyloflex® NEF

Enhanced performance with the nyloflex® NExT technology

- Designed for the nyloflex® NExT exposure technology – for flexible packaging and labels
- Significantly improved ink lay-down, high solid ink densities and precise reproduction of the finest highlight details
- Also suitable for regular tube exposure with improved results



nyloflex® ACE

Sets the standard in high quality flexo printing

- Specialised for printing of flexible packaging
- High print quality combined with excellent efficiency
- Advanced cleaning behaviour – fewer press stops
- High solvent resistance – perfect for solvent based inks
- Extreme durability – for long print runs
- Suitable for Flat Top technologies, i.e. nyloflex® NExT



nyloflex® ACE UP

Highest print performance with water based inks

- For printing of corrugated preprint as well as liquid/aseptic packaging, also for label printing
- Best print quality and very good ink transfer, especially on paper substrates
- Reduced surface tack for less attraction of paper dust and dirt and stacking without interleaves



nyloflex® FAH

Established for use with UV inks

- For high resolution printing of labels, flexible packaging and folding cartons
- Fine vignettes and optimum ink coverage in solid areas
- Reverse elements remain open
- Excellent resistance against UV inks, also for solvent and water based inks



nyloflex® ACT

Excellence in combination printing

- Optimised for printing designs that combine halftones and solids in one plate
- For absorbent and non-absorbent substrates
- High solid density and minimum dot gain in halftones
- Wide exposure latitude and good relief depths
- Suitable for water and solvent based inks, conditionally suitable for UV inks*



nyloflex® FAR

Versatile and established all-round plate for all substrates

- For all absorbent and non-absorbent substrates commonly used today
- For standard applications, printing of basic screens, solids and line work
- Resistant against solvent based inks, also for water based inks, conditionally suitable for UV inks*
- Economic due to long lifetime and durability



nyloflex® FAM

Robust and flexible – for flexible packaging

- For clean print results on various substrates, from textured to smooth surfaces
- Robust and durable, with extended press life, thus more economical
- Highly resistant to solvent based inks, suitable for water based and UV inks



nyloflex® ART

Ideal for printing on fibre based packaging

- For high quality postprint on corrugated board, especially fine flute folding cartons
- Preprint on kraft, test and uncoated liners
- High solid density and defined line work on all paper substrates; good reproduction of highlight dots
- Excellent and consistent ink transfer, especially with water based inks

* Suitability with UV inks is dependant on the ink type and temperature – these factors could affect the performance of the plate and consistency of the print.

For Corrugated

With a range of hardness properties, the nyloflex® printing plates for corrugated postprint meet the specific needs of printing on corrugated board, providing excellent ink transfer on various liners and flutes.

nyloflex®	ART	FTC	FAC	FRC	FSC
Plate hardness (Shore A)	40	32	32	32	26
Analogue Digital	A D	- D	A D	A -	- D
Integrated Flat Top Dots		✓			
Corrugated – Preprint	✓				
Corrugated – Postprint	✓	✓	✓	✓	✓

For details, please refer to the nyloflex® technical data sheet.



nyloflex® FTC

The Easy Way to Flat Top Dots and fluting reduction

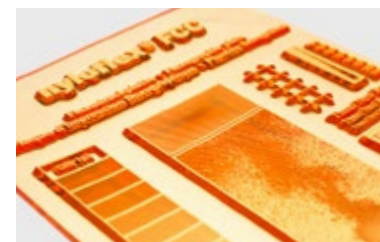
- Inherently flat top flexo plate – no additional equipment, processing steps or consumables required
- Significant fluting reduction on various corrugated boards
- Excellent ink transfer and very good reproduction characteristics
- Higher wear resistance allows for great consistency



nyloflex® FAC

Just brilliant – high performance in postprint

- For use on all types of corrugated substrates – from rough and uneven surfaces to smooth, paper substrates
- Outstanding with challenging and multi-colour designs
- Very good ink transfer with excellent area coverage and high solid ink density
- Perfect adaption to corrugated board surfaces



nyloflex® FRC

Extremely durable and chip resistant plate

- Perfect for all corrugated postprint applications
- Designed for deep relief plates
- Outstanding ink transfer, excellent solid area coverage and density
- Optimized formula for fast exposures and processing
- Ideal for FTD technologies, i.e. nyloflex® NExT to reduce fluting effect on postprint board



nyloflex® FSC

Soft plate for postprint – unique hardness in the solid segment

- High print quality due to low plate hardness and digital processing
- Designed for transit packaging
- Very good ink transfer, excellent solids coverage, particularly on low cost liners
- Cost efficient and reliable, easy handling
- Long run life and superior durability

For Print Finishing

The nyloflex® coating plate range comprising foil based and aluminium based flexo plates have been especially developed for inline and offline print finishing – for eye-catching print results.



nyloflex® Gold A

Unique coating plate on aluminium base

- High resolution printing for solid and spot coating
- Wide application range: solid, line and screen designs
- High register accuracy due to high dimensional stability of the aluminium base, even during repeated print runs
- Wide exposure latitude ensures good intermediate depths
- For dispersion and UV varnishes: good results with metal pigment and pearlescent inks



nyloflex® Seal F

Film based coating plate with excellent dimension stability

- For inline finishing in sheetfed offset presses with flexo coating units and for offline finishing in coating presses
- For spot and full surface coating on coated papers and board
- High resolution and print contrast
- High stability even with UV varnishes and inks
- Excellent dimensional stability due to thick polyester film

For Special Applications

Whether for highly aggressive inks or water washable processing with simple tap water – the nyloflex® range comprises flexo plates for special applications.



nyloflex® FE

The specialist in white preprinting – developed for solid area printing

- High resistance against esters, ketones and alcohols, allows the use of solvent based 2-component inks for white preprinting; for solid area printing
- Long run life with UV inks
- High print run stability with good area coverage
- No register problems with rubber plates



nyloflex® Sprint

The gentle approach – washable with tap water

- Water-washable flexo plate, high resistance against UV inks
- Washable with tap water – no auxiliaries needed
- For high quality labels and flexible packaging printing
- Fast plate making process, complete within 30 minutes



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Please contact your Regional Sales Manager for additional information.

Customer Service

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