Innovative flexo plate solutions

nyloflex® photopolymer flexo plates

Flint Group's nyloflex® printing plates serve all packaging markets. Discover our wide portfolio: solvent and thermal processing; analogue and digital imaging; flat top dot and round top dot plates. At Flint Group, we work in close cooperation with our customers to develop new and improved flexo plates according to our key principles of BETTER, FASTER and EASIER to use.

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Unique and comprehensive expertise in flexographic printing

Printing plates from Flint Group – to meet every challenge

For a long time now, flexographic printing established its place as the print process of choice for many sectors in the still growing global packaging market. Flexography offers the advantages of printing on a variety of different materials such as film, foil, plastic, paper and board, using a wide range of inks, and printing with high speeds, offering exceptionally high quality.

Flint Group Flexographic is one of the largest global suppliers providing 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 photo-polymer 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.
We will definitely find the right solution for you

Flat Top Dot Family
Reduce cost, save time and increase your productivity and consistency

- Photopolymer flexo plates with inherent flat top dots
- Easy creation of flat top dots with standard processing equipment
- Less dot gain tolerances – on press the flat top dots are less impression sensitive than standard digital dots resulting in improved production consistency
- Reduce cost, save time: No additional equipment, no time consuming LED exposure or any consumables required

Solvent Processing
The standard in flexography for high quality plates and printing

- Wide range of plates covering all your needs
- nylofix® printing plates for solvent processing are available in different thicknesses, sizes, plate hardness, and for all ink types; as digital or analogue plates; as flat top dot or round top dot plates

Thermal Processing
A new generation of thermal processing

- A complete and reliable solution for thermal processing
- nylofix® Xpress Thermal plates are available as flat top dot plates and as round top dot plates
- See detailed information in the nylofix® Xpress brochure

For all packaging solutions from Flint Group visit www.flintgrp.com or contact us via info.flexo@flintgrp.com
Flexible Packaging, Labels and Paper

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

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<th>nyloflex®</th>
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<th>FTS</th>
<th>NEF</th>
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<th>ACT</th>
<th>FAR</th>
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For details, please refer to the nyloflex® technical data sheet.
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
- Specialized for printing of flexible packaging
- High print quality combined with excellent efficiency
- Advanced cleaning behavior – 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
- Highest 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
- Optimized 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
- Preprint on kraft, test and uncoated liners
- For high quality postprint on corrugated board, especially fine flute folding cartons
- 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

nyloflex® ART
Ideal for printing on fiber based packaging
- Also suitable for regular tube exposure with improved results

* 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.
Corrugated Printing

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.

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<th>FSC</th>
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For details, please refer to the nyloflex® technical data sheet.

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

**nyloflex® FTC**
Flat top flexo plate for flute reduction in corrugated

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

**nyloflex® FSC**
Soft plate for postprint

- Unique softness in the solid segment combined with digital processing, resulting in high print quality
- 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

**nyloflex® FTL**
Soft flat top dot plate for fluting reduction in corrugated post-print

- Reliable printing performance with reduction of fluting effect
- Reduced operating cost in favor of inherent flat top dot technology
- Less press setup time needed due to combined screens and solids on single printing plate
- Aiming for the highest print quality and hence lowest fluting effect as well as for a very good solid ink density (SID)

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Print Finishing

The nyloflex® coating plate range comprising foil based and aluminium based 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

Special Applications

Every now and then you’ll need a plate for a special purpose, e.g. when using highly aggressive inks. Flint Group offers additional plate types as special products. Contact us, and we will find the right solution for your requirements.

**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