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nyloflex® Gold A
nyloflex® Gold A Digital

Appealing by definition – photopolymer aluminium based coating plate for inline and offline print finishing

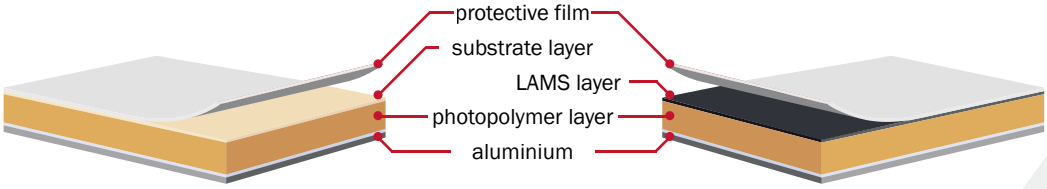
Product features

- unique photopolymer coating plate on aluminium base
- ideal for high resolution printing for solid and spot coating
- high register accuracy due to the dimensional stability of the aluminium base, even during repeated print runs
- wide exposure latitude ensures good intermediate depths
- good ink transfer of metal pigment (gold, silver) and pearlescent inks
- suitable for dispersion and UV varnishes

Advantages of nyloflex® Gold A Digital

- superior printing quality with sharper images, more open intermediate depths
- increased productivity and data transfer without loss of quality due to digital workflow
- consistency in quality when repeating plate processing
- cost effective and more environmentally friendly in processing, as no film is required

Schematic of nyloflex® Gold A and nyloflex® Gold A Digital



nyloflex® Gold A coating plates are monolayer plates.
They consist of a light sensitive photopolymer layer bonded to an aluminium base.

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Flexographic Products

nyloflex® Gold A | nyloflex® Gold A Digital

	nyloflex® Gold A	nyloflex® Gold A Digital
	116	116
Technical characteristics		
Base material	polyester film	polyester film
Colour of raw plate	orange	orange, with black LAMS layer
Total thickness* (mm) (inch)	1.16 (0.046“)	1.16 (0.046“)
Hardness acc. to DIN 53505 (Shore A)	62	62
Plate hardness (Shore A)	78	78
Relief depth (mm)	0.85	0.85
Tonal range (%) at screen ruling of (l/cm)	3 – 90 48	2 – 98 48
Fine line width (down to µm)	100	80
Isolated dot diameter (down to µm)	400	200
Elongation constant (mm)	5.4	5.4

Processing parameters**		
Back exposure (s)	–	–
Main exposure (min)	10 – 15	8 – 12
Washout speed (mm/min)	120 – 160	120 – 160
Drying time at 60 °C / 140 °F (h)	2	2
Post exposure UV-A (min)	10	10
Light finishing UV-C (min)	7 – 15	7 – 15

* Standard thicknesses currently available – subject to change.

** All processing parameters depend on, among others, the processing equipment, lamp age and the type of washout solvent. The above mentioned processing times were established under optimum conditions on nyloflex® processing equipment and using nylosolv® washout solvents. The values for the main exposure of digital plates were determined at an exposure intensity of > 15mW/cm². Under other conditions the processing times can differ from these. Therefore the above mentioned values are only to be used as a guide.

Suitable equipment

The nyloflex® Gold A can be processed with nyloflex® processing equipment and all similar devices. The nyloflex® Gold A Digital can be used with all laser systems suitable for imaging flexo printing plates.

Printing inks and varnishes

nyloflex® Gold A coating plates are suited for water based dispersion and UV varnishes as well as for metal pigment and pearlescent inks.

Washout solvents

Especially good results are achieved with nylosolv® washout solvents.
nylosolv® can be distilled and reused.

Processing information

A detailed description of the individual platemaking steps, as well as detailed information about processing and storing can be found in the nyloflex® User Guide.

High quality standard

nyloflex® printing plates are manufactured in accordance to the requirements and standards of DIN ISO 9001. This process guarantees our customers a consistent high quality of the products and services.

Experience the Difference!
ANDERSON & VREELAND INC.

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2010-09