Be brilliant.

nyloflex® Gold A

Photopolymer aluminium based coating plate for inline and offline print finishing

High register accuracy & reproduction of finest details

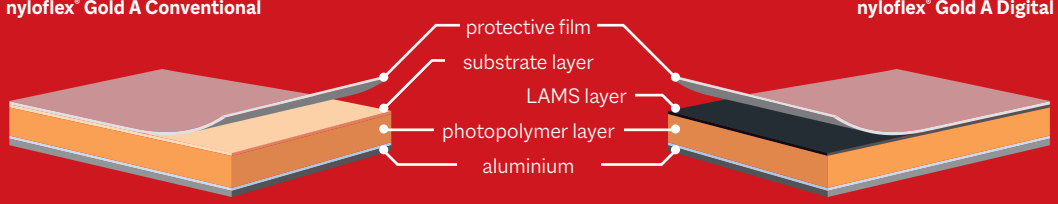
+ Unique photopolymer coating plate on aluminium base
+ Ideal for high resolution printing for solid and spot coating
+ High register accuracy due to the dimensional stability of the aluminium base, even during repeated print runs
+ Wide exposure latitude ensures good intermediate depths
+ Good ink transfer of metal pigment (gold, silver) and pearlescent inks
+ Suitable for dispersion and UV varnishes

Advantages due to digital processing

+ 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

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



XSYS
Print solid. Stay flexible.

Where printing meets packaging.

nyloflex® Gold A

	nyloflex® Gold A	nyloflex® Gold A Digital
	116	116
Technical characteristics		
Base material	aluminium	aluminium
Colour of raw plate	orange	orange, with black LAMS layer
Total thickness[1] (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[2]		
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)	6–10	6–10

Processing Information

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 according to DIN ISO 9001, DIN ISO 14001 and DIN ISO 5001 standards and requirements. This process guarantees our customers consistent high quality products and services.

1) Standard thicknesses currently available – subject to change. 2) 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.

Please contact us for additional information.

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GOLD 2023 ecovadis Sustainability Rating

XSYS Print solid. Stay flexible.

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