

Be
brilliant.

nyloflex[®] Gold A

Appealing by definition – 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

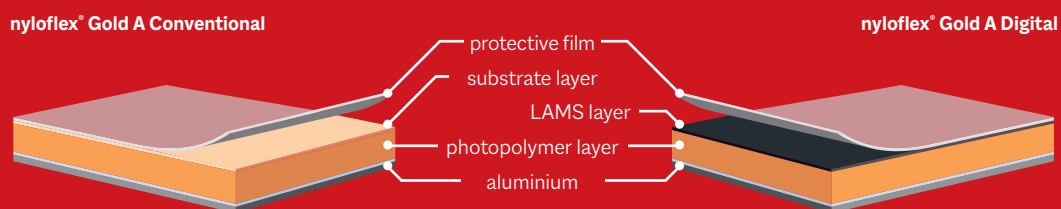
Advantages due to digital processing

- + 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.

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 parameters²

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.

info@xsyglobal.com • www.xsyglobal.com

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