

# nyloflex<sup>®</sup> Gold A nyloflex<sup>®</sup> Gold A Digital

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

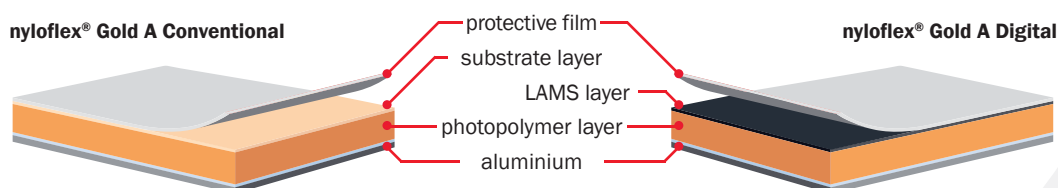
## High register accuracy & reproduction of finest details

- 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<sup>®</sup> Gold A



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

# nyloflex® Gold A | nyloflex® Gold A Digital

	nyloflex® Gold A	nyloflex® Gold A Digital
	116	116
<b>Technical characteristics</b>		
<b>Base material</b>	<b>aluminium</b>	<b>aluminium</b>
<b>Colour of raw plate</b>	<b>orange</b>	<b>orange, with black LAMS layer</b>
<b>Total thickness<sup>1</sup> (mm)</b> <b>(inch)</b>	<b>1.16</b> <b>(0.046")</b>	<b>1.16</b> <b>(0.046")</b>
<b>Hardness acc. to DIN 53505 (Shore A)</b>	<b>62</b>	<b>62</b>
<b>Plate hardness (Shore A)</b>	<b>78</b>	<b>78</b>
<b>Relief depth (mm)</b>	<b>0.85</b>	<b>0.85</b>
<b>Tonal range (%)</b> <b>at screen ruling of (l/cm)</b>	<b>3 – 90</b> <b>48</b>	<b>2 – 98</b> <b>48</b>
<b>Fine line width (down to µm)</b>	<b>100</b>	<b>80</b>
<b>Isolated dot diameter (down to µm)</b>	<b>400</b>	<b>200</b>
<b>Elongation constant (mm)</b>	<b>5.4</b>	<b>5.4</b>

<b>Processing parameters<sup>2</sup></b>		
<b>Back exposure (s)</b>	<b>-</b>	<b>-</b>
<b>Main exposure (min)</b>	<b>10 – 15</b>	<b>8 – 12</b>
<b>Washout speed (mm/min)</b>	<b>120 – 160</b>	<b>120 – 160</b>
<b>Drying time at 60 °C / 140 °F (h)</b>	<b>2</b>	<b>2</b>
<b>Post exposure UV-A (min)</b>	<b>10</b>	<b>10</b>
<b>Light finishing UV-C (min)</b>	<b>6 – 10</b>	<b>6 – 10</b>

<sup>1</sup> Standard thicknesses currently available – subject to change.

<sup>2</sup> 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 according to DIN ISO 9001 and DIN ISO 14001 standards and requirements. This process guarantees our customers consistent high quality products and services.

**You are welcome to contact us for further information.**

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