

Be
brilliant.

nyloflex® Seal F

Photopolymer film based coating plate for inline and offline
print finishing



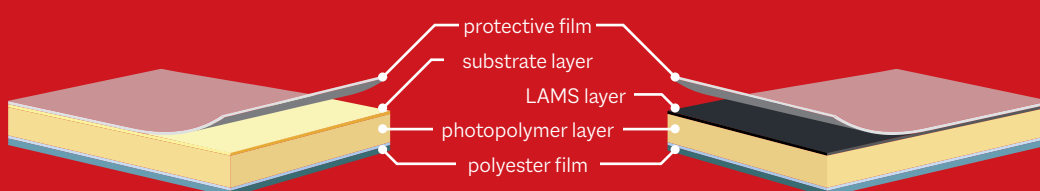
Product features

- + Especially developed for inline finishing in sheetfed offset presses with flexo coating units and for offline finishing in coating presses
- + For spot and full surface coating in commercial and packaging printing on coated papers and board
- + Excellent stability even with UV coatings and UV inks
- + High contrast colour change
- + Excellent dimensional stability due to thick polyester film
- + Wide exposure latitude
- + High resolution
- + Very good transfer of water based dispersion and UV varnishes
- + High print contrast

Advantages of nyloflex® Seal F 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® Seal F and nyloflex® Seal F Digital



nyloflex® Seal F plates are monolayer plates.
They consist of a light sensitive photopolymer layer bonded to a polyester film.

XSYS
Print solid. Stay flexible.

nyloflex® Seal F

	nyloflex® Seal F	nyloflex® Seal F Digital
	116	116
Technical characteristics		
Base material	polyester film	polyester film
Colour of raw plate	violet	violet, with black LAMS layer
Total thickness ¹ (mm) (inch)	1.16 (0.046")	1.16 (0.046")
Hardness acc. to DIN 53505 (Shore A)	36	36
Plate hardness (Shore A)	72	72
Relief depth (mm)	0.9	0.9
Tonal range (%) at screen ruling of	3-90 48 l/cm (122 lpi)	2-95 48 l/cm (122 lpi)
Fine line width (down to µm)	300	300
Isolated dot diameter (down to µm)	750	750
Elongation constant (mm)	5.72	5.72

Processing parameters²		
Back exposure (s)	10-12	10-12
Main exposure (min)	10-15	8-12
Washout speed (mm/min)	100-130	100-130
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® Seal F can be processed with nyloflex® processing equipment and all similar devices. The nyloflex® Seal F Digital can be used with all laser systems suitable for imaging flexo printing plates.
Printing inks and varnishes	nyloflex® Seal F and nyloflex® Seal F Digital coating plates are suited for water based dispersion and UV varnishes.
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

The aim of our technical documents is to inform and advise our customers. The information provided herein is correct to the best of XSYS's knowledge. No liability for any errors, facts or opinions is accepted. Customers must satisfy themselves as to the suitability of this product for their application. No responsibility for any loss as a result of any person placing reliance on any material contained herein will be accepted. Product names followed by ® are trademarks registered by XSYS Germany GmbH and/or its affiliates.

