XSYS

Print solid. Stay flexible.

nyloflex®
Seal F

Film based coating plate for print finishing

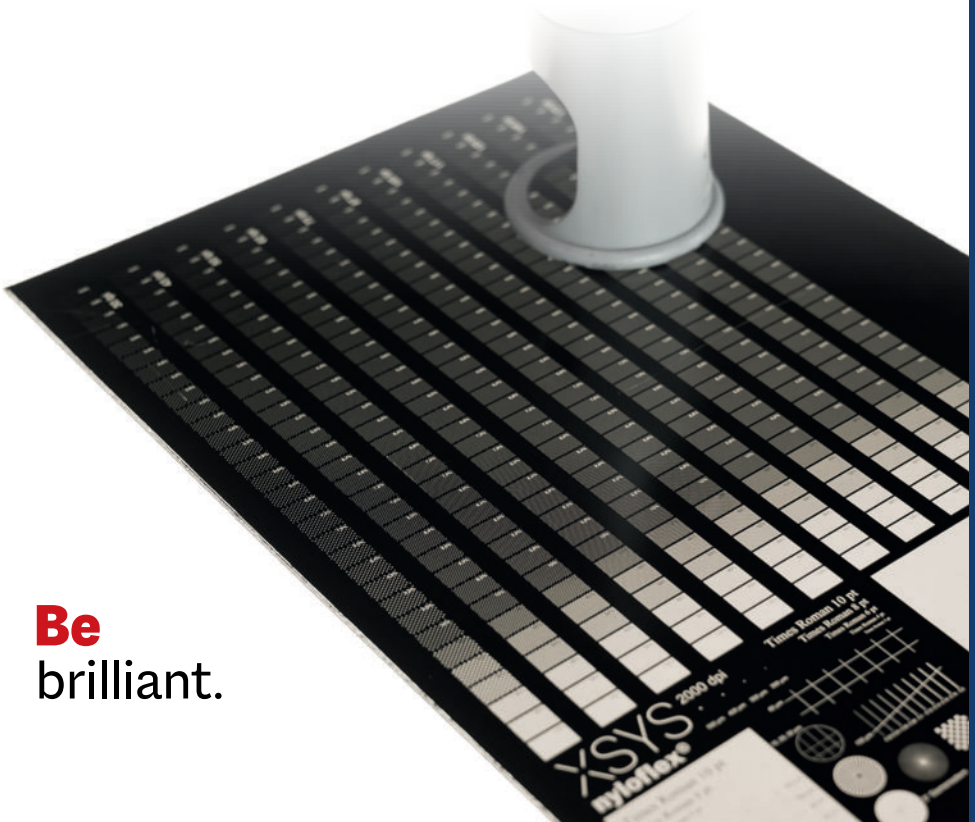
Be
brilliant.

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.
- **Ideal for the coating** of finest details.
- **Consistency in quality** for repeating jobs.



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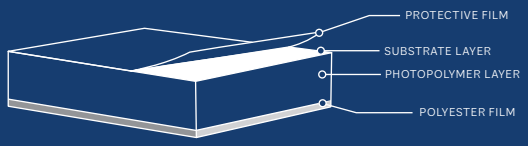
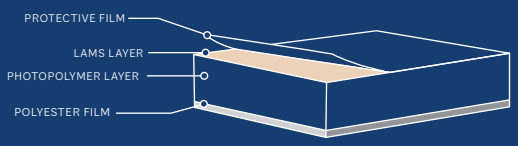
Seal F

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

nyloflex® Seal F Conventional



nyloflex® Seal F Digital



MAKE YOUR BRAND MORE BRILLIANT WITH A HIGH QUALTIY & RELIABLE COATING

nyloflex®
Seal F

Photopolymer film based coating plate for inline and offline print finishing

Technical characteristics	nyloflex® Seal F 116	nyloflex® Seal F Digital 116
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)	50	50
Plate hardness (Shore A)	72	72
Relief depth (mm)	0.9	0.9
Tonal range (%) at screen ruling of (l/cm)	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 parameters[2]		
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 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.

Certification XSYS printing plates are produced at Willstätt production site, which is certified according to international standards for quality management (DIN EN ISO 9001:2015), environmental management (DIN EN ISO14001:2015) and energy management (DIN EN ISO 50001:2018).

1) Standard thicknesses currently available – subject to change 2) All processing parameters depend on, among other things, the processing equipment, lamp age and the type of washout solvent. A minimum exposure intensity of ≥ 17 mW/cm² is recommended. The above mentioned processing times were established under optimum conditions in our technical center. The standard test file with 149lpi was imaged at 4000DPI using a ThermoFlexX imager, 20 mW/cm² bank exposure, using nylosolv® A washout solvent and nyloflex® and ThermoFlexX Catena plate processing equipment. Under other conditions the processing times can differ from these; therefore, the above mentioned values are only to be used as a guide. 3) Depending on longevity of the tubes. 4) Suitability with UV inks is dependant on the ink type and temperature – these factors could affect the performance of the plate and consistency of the print.

Please contact us for additional information.
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