

XSYS

Print solid. Stay flexible.

Ønyloflex[®] eco FAC

The sustainable plate for
high performance corrugated
post print



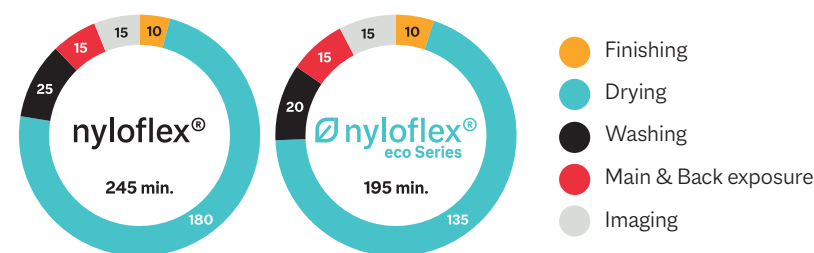
Be
brilliant.

SUSTAINABILITY

- Contains 19 - 20% renewable raw material.¹
- Proven, consistent quality in a more sustainable way.
- Improved productivity on LED exposure units.
- Energy saving due to 20% faster plate processing.²
- Consistent and reliable plate processing (waste reduction).



IMPROVED PRODUCTIVITY



- Overall **20% faster** plate processing possible when using **nyloflex® eco plates** (in direct comparison to standard nyloflex® FAC).²



SEGMENTATION

Suitable for all kind of corrugated substrates like:

- Coated / uncoated kraft liner.
- Coated / uncoated test liner.
- Pressure sensitive and soft paper substrates.



nyloflex®
**eco
FAC**

- Sustainable soft photopolymer flexo plate.
- Dedicated for high performance corrugated post print.
- Copes with all requirements – starting from print on rough and uneven substrates to pressure sensitive and soft paper substrates.
- Extremely robust and durable.
- Suitable for bank- & LED exposure.



PROVEN, CONSISTENT
QUALITY
IN A MORE
SUSTAINABLE WAY

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The sustainable plate for high performance
corrugated post print



Technical characteristics	The nyloflex [®] eco FAC The nyloflex [®] eco FAC Digital					
	284	394	470	500	550	635
Base material	Polyester film					
Colour of raw plate	Light blue Light blue with black LAMS layer					
Total thickness (mm inch)	2.84 0.112	3.94 0.155	4.70 0.185	5.00 0.197	5.50 0.217	6.35 0.250
Finished plate hardness (Shore A)	39	33	33	31	31	30
Relief depth (mm inch)	0.9 - 1.2	1.0 - 1.5	1.2 - 2.2	1.8 - 2.8	2.0 - 3.0	2.2 - 3.0
Fine line width (µm)	100	100	150	150	150	150
Isolated dot diameter (µm)	150	150	200	250	350	400
Processing parameters ³						
Back exposure (s)	20 - 40	50 - 70	60 - 90	60 - 90	65 - 95	75 - 105
Main exposure (min)	10 - 15	10 - 15	10 - 15	10 - 15	10 - 15	10 - 15
Washout speed (mm/min)	150 - 170	110 - 140	70 - 105	65 - 100	60 - 95	60 - 95
Drying time at 60 °C 140 °F (h)	2.0 - 2.5	2.0 - 2.5	2.5 - 3.0	2.5 - 3.0	2.5 - 3.0	2.5 - 3.0
Post exposure (UV-A) (min)	8	8	8	8	8	8
Light finishing (UV-C) (min)	5 - 8	5 - 8	5 - 8	5 - 8	5 - 8	5 - 8
Laser intensity (J/cm ²)	N.A. for analogue plates 3.4 J/cm ² (depending on Laser manufacturer and model)					

Processing information

Suitable equipment

The nyloflex[®] eco FAC can be processed with nyloflex[®] processing equipment and all similar devices. The nyloflex[®] eco FAC Digital can be used with all laser systems suitable for imaging flexo printing plates.

Printing inks

Suitable for all water based and solvent based printing inks.
(Ethyl acetate content preferably below 15%, ketone content preferably below 5%)

Washout solvents

Especially good results are achieved with nylosolv[®] washout solvents. nylosolv[®] can be distilled and reused.

Processing information

A detailed description of the imaging, exposure and finishing steps, as well as detailed information about handling 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) Plate thickness dependent / Analysis report available on request 2) Depending on current plate setup, used washout solvent & equipment 3) 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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