



nyloflex[®] eco FAC Digital

Lifting proven quality to a sustainable future



Plate Characteristic

- + 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



Sustainability

- + Contains 19 - 20% renewable raw material¹
- + Proven, consistent quality in a more sustainable way
- + Energy saving due to 20% faster plate processing
- + Consistent and reliable plate processing (waste reduction)

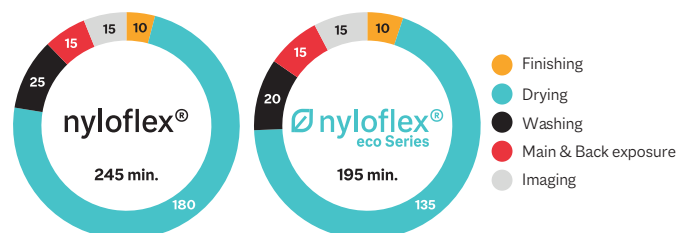


Segmentation

- + Suitable for all kind of corrugated substrates like:
- + Coated / uncoated kraft liner
- + Coated / uncoated test liner
- + Pressure sensitive and soft paper substrates



Improved productivity



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

Be
brilliant.

XSYS
Print solid. Stay flexible.

nyloflex® eco FAC Digital

The sustainable plate for high performance corrugated post print

Technical characteristics

Base material	Polyester film					
Colour of raw plate	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	35	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 parameters²

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 - 3	2 - 3	3	3 - 4	3 - 4	3 - 4
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)	3.4 J/cm ² (depending on Laser manufacturer and model)					

Processing information

Suitable equipment	The nyloflex® eco FAC Digital 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) 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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