

XSYS

Print solid. Stay flexible.

nyloprint[®] **WAS WFS**

**Water washable coating plate
for security printing**



Be
brilliant.

HIGHEST PRINT QUALITY

- Excellent solid density due to brilliant ink transfer of the soft relief layer.
- High register accuracy due to the dimensional stability of the aluminium base.
- Very good durability for long print runs.
- Reliably reusable for repeat orders.

FOR SOLID AND SPOT COATING

- Water-washable – ideal for inhouse plate processing, e.g. on nyloprint® Flowline Washer.
- Designed for high quality demands in coating with UV-varnish.
- Inline and offline print finishing.

EFFICIENT, CONSISTENT AND FAST PLATE PROCESSING

- Highly productive and cost effective due to plate processing within 25-35 min.
- Reduced down times on press due to fast replacement of plates.
- Wide exposure latitude combined with open reverses.



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WAS WFS

ADVANTAGES OF nyloprint® DIGITAL

Higher print quality

- Reproduction of finer details and less dot gain due to digital imaging.
- High dimensional stability.
- No defects caused by dust and damaged films.
- No data loss during transfer.
- Smoother plate surface can achieve higher density.
- Highly consistency especially with repeated plate processing.

Cost effective and environmentally friendly

- No film costs.
- No chemicals for film development.
- Electronic filing of graphics, film storage is redundant.
- Easy and fast data exchange - worldwide.

FOR SECURITY PRINTING- A MATTER OF TRUST

nyloprint®

WA S & WF S Digital

**Water washable coating plate for security printing
(inhouse plate processing)**



	nyloprint® WA 116 S¹	nyloprint® WA 116 S Digital	nyloprint® WF 114 S Digital
Technical characteristics¹	116	116	114
Base material	aluminium		polyester film
Colour of raw plate	red		red, with black LAMS layer
Total thickness (mm inch)	1.16 0.046"	1.16 0.046"	1.14 0.045"
Plate hardness (Shore D Microshore D)	38	38	79 (Shore A)
Relief depth (mm inch)	0.85 0.033"	0.85 0.033"	0.85 0.033"
Tonal range (%) at 60 L/cm (150 lpi)	3 – 90	3 – 90	2 – 98
Fine line width (down to µm)	100	100	100
Isolated dot diameter (down to µm)	400	400	200
Distortion factor (mm inch)	5.4 0.212"	5.4 0.212"	
Processing parameters²			
Main exposure (min)	3 – 4		3 – 5
Washout speed (mm/min) in flowline washer	160 – 180 (post exposure switched off)		110 – 150
Washout time (min) in compact washer with plush	–		3 – 5
Washout at temperature	–		30°C (72 – 86°F)
Drying time at 60°C / 140°F (min)	10		20 – 30
Post exposure UV-A (min)	2		2 – 4

Processing Equipment

Suitable equipment	nyloprint® WA 116 S Digital and nyloprint® WF 114 S Digital plates can be processed with nyloprint® processing equipment and all similar devices and can be used with all laser systems suitable for imaging letterpress plates
Printing inks and varnishes	Suitable for UV and oil based inks and varnishes. Not suitable for water based inks and varnishes.
Washout medium	For washout only tap water is needed.
Processing information	A detailed description of the individual platemaking steps, as well as detailed information about processing and storing can be found in the nyloprint® 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) non-standard product 2) All processing parameters depend on, among others, the processing equipment and lamp age. The above mentioned processing parameters were established under optimum conditions on nyloprint® 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.

Please contact us for additional information.

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