

# XSYS

Print solid. Stay flexible.

nyloprint<sup>®</sup>

# WAS

**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.
- For solid and spot coating.

## 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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## 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 Digital



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

Technical characteristics <sup>1</sup>	nyloprint® WA 116 S <sup>1</sup>	nyloprint WA 116 S Digital
	116	116
Base material	aluminium	
Colour of raw plate	red	
Total thickness (mm   inch)	1.16   0.046"	1.16   0.046"
Plate hardness (Shore D   Microshore D)	38	38
Relief depth (mm   inch)	0.85   0.033"	0.85   0.033"
Tonal range (%) at 60 L/cm (150 lpi)	3 - 90	3 - 90
Fine line width (down to µm)	100	100
Isolated dot diameter (down to µm)	400	400
Distortion factor (mm   inch)	5.4   0.212"	5.4   0.212"
<b>Processing parameters<sup>2</sup></b>		
Exposure (min)	3 - 4	
Washout speed Flowline Washer (mm/min)	160 - 180 (post exposure switched off)	
Drying time at 80°C / 176°F (min)	10	
Post exposure (min)	2	

## Processing Equipment

- Suitable equipment** nyloprint® WA 116 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 ISO 14001:2015) 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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