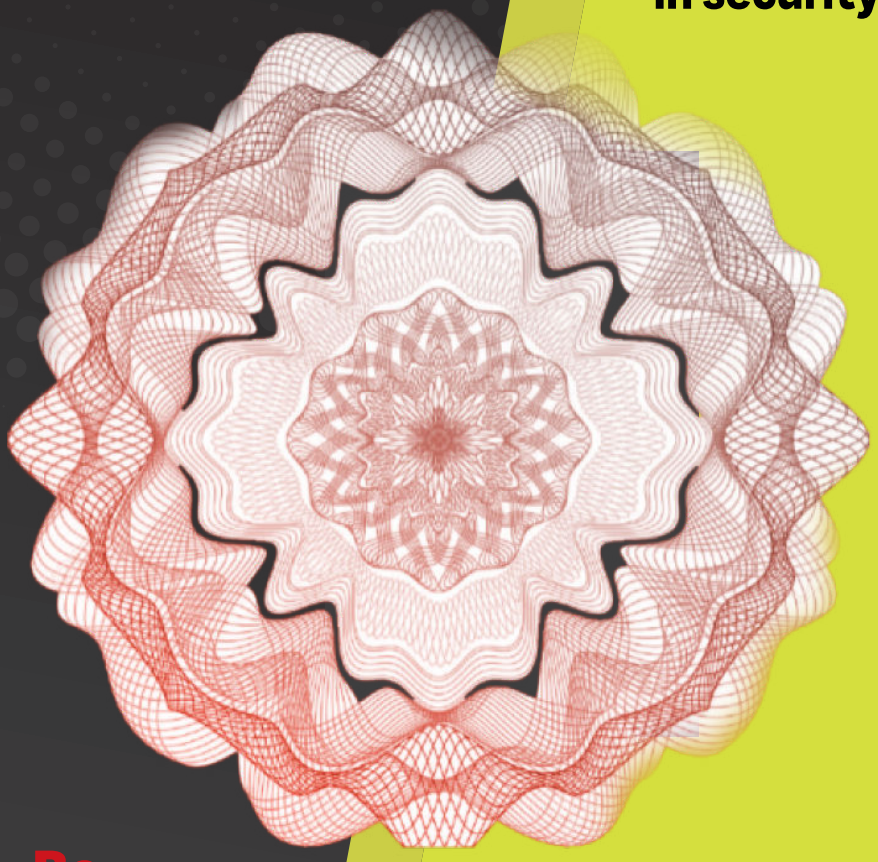
XSYS

Print solid. Stay flexible.

nyloprint®

WS S

Soft steel-based letterpress plate for high-quality coating and special effect ink printing in security applications



Be brilliant.

HIGHEST PRINT QUALITY

- High resolution – up to 10,160 dpi.
- Excellent solid density due to brilliant ink transfer of the soft relief layer.
- Very good durability for long print runs.
- Reliably reusable for repeat orders.

EFFICIENT, CONSTANT AND FAST PLATE PROCESSING

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

PRODUCT FEATURES

- Ideal for high quality demands in coating and printing with special effect inks (UV-/oil-based).
- Suitable for rotary letterpress, coating units, imprinting units and printing presses for special applications.

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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 consistentcy 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®
WS S Digital

Soft steel-based letterpress plate for high-quality coating and special effect ink printing in security applications

	nyloprint® WS 73 S Digital[1]
Technical characteristics	**73**
Base material	steel
Colour of raw plate	red
Total thickness[2] (mm | inch)	0.73 | 0.029″
Plate hardness (Shore D)	43
Relief depth (mm | inch)	0.46 | 0.018″
Tonal range (%) at screen ruling of	2 – 95 at 60 l/cm (150 lpi)
Fine line width (down to µm)	100
Isolated dot diameter (down to µm)	200
Distortion factor (mm | inch)	3.85 | 0.152″
Processing parameters[3]	
Main exposure (min)	1.0 – 3.5 (without vacuum film)
Washout at 30°C / 86° F (min)	1.0 – 3.5
Drying time at 80°C / 176°F (min)	10 – 15
Post exposure (min)	2

Processing Equipment

Suitable equipment nyloprint® WS-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 Suitable for UV and oil 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) standard thicknesses currently available – subject to change 3) 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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