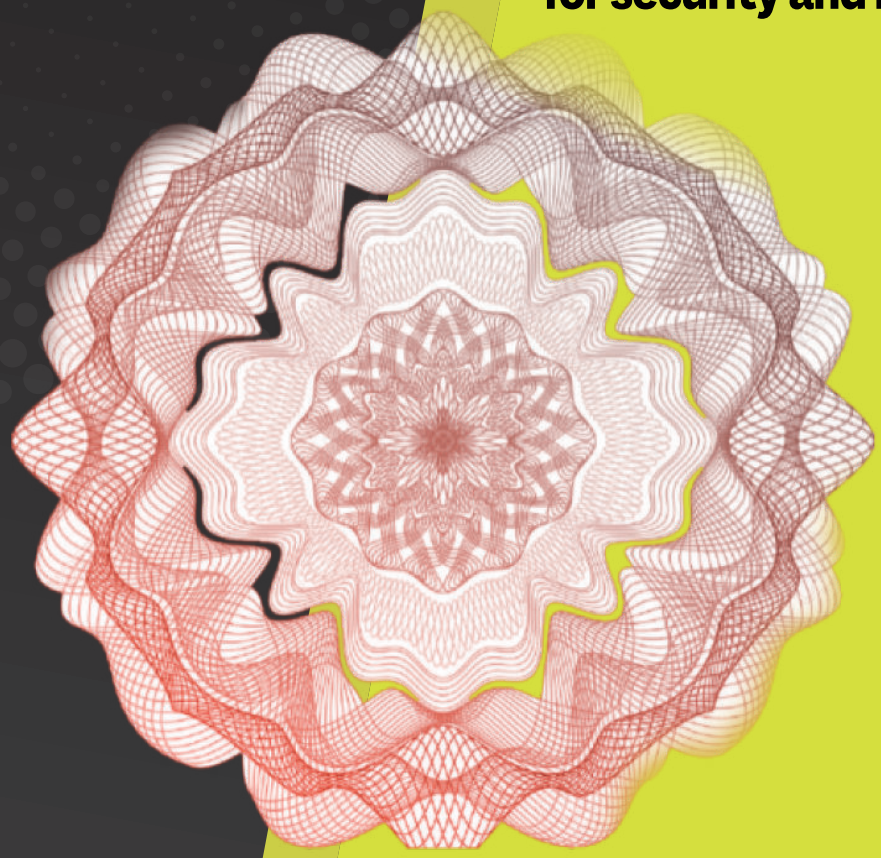
XSYS

Print solid. Stay flexible.

nyloprint®

Poly Chablon

Water washable chablon plates for security and banknote printing



Be brilliant.

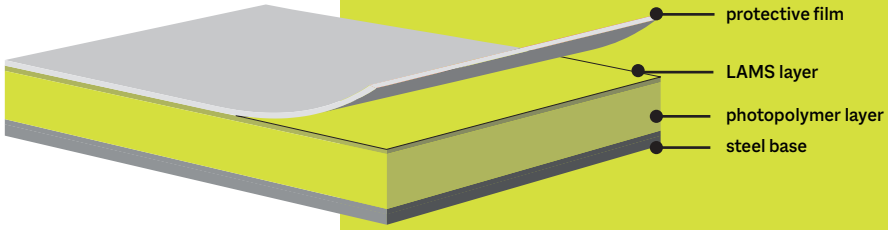
HIGHEST PRECISION
AND RELIABLE QUALITY IN SECURITY PRINTING

- Used for inking-up the gravure cylinders in intaglio printing presses.
- Improves the accuracy and print quality especially in high security printing (e.g. bank notes, shares, passports, stamps, etc.).
- Development based on many years of experience in security printing and in close cooperation with users.
- Water washable plates – only pure tap water is needed.
- Optimal ink transfer due to soft relief layer.
- High contrast colour change after exposure gives additional security in the assessment of the plate quality even before washout process.

nyloprint® Poly Chablon

- For highest dimension stability.
- No defects caused by dust and damaged films.
- No data loss during transfer.
- Smoother plate surface can achieve higher density.
- Highly consistent especially when repeating plate processing.
- No film costs.
- Electronic filing of graphics, film storage is redundant.
- Easy and fast data exchange – worldwide.

nyloprint® poly chablon plates consist of a light sensitive photopolymer layer
BONDED TO STEEL.



FOR SECURITY PRINTING– A MATTER OF TRUST

nyloprint®

Poly chablon plates

Water washable, film-based plate for the high-end label market

Technical characteristics	nyloprint® WS 225[1] hard	nyloprint® WS 230 S soft	nyloprint® WS 230 S Digital soft digital
Base material		steel 0.3 mm (0.012“)	
Colour of raw plate		red	
Total thickness[2] (mm | inch)	2.25 | 0.089″	2.30 | 0.091″	2.30 | 0.091″
Plate hardness (Shore D)	47	27	27
Relief depth (mm | inch)	1.90 | 0.075″	1.95 | 0.077″	1.95 | 0.077″
Fine line width (down to µm)	1	1	1
Isolated dot diameter (down to µm)	2	2	2
Distortion factor (mm | inch)	12.25 | 0.48″	12.56 | 0.49″	12.56 | 0.49″

Processing parameters [3]	
Main exposure at 15 mW/cm³ (min)	15
Washout in brush washer at 45°C / 113° F	12 min / 80 – 100 mm/min
Drying time at 80°C / 176°F (min)	60
Post exposure (min)	10

Processing Equipment

Suitable equipment The nyloprint® WS S plates can be processed with nyloprint® processing equipment and all similar devices. The nyloprint® WS S Digital can be used with all IR-laser systems suitable for imaging letterpress plates. For washout the use of brushes in the washer is recommended..

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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