

XSYS

Print solid. Stay flexible.

nyloprint® ST

**Alcohol washable gravure plate
for the highest print quality and
the best durability**



Be
brilliant.

HIGHEST PRINT QUALITY AND LONG DURABILITY

- High resolution up to 10.160 dpi.
- Screen ruling up to 380 lpi (150 L/cm).
- Very good durability for long print runs due to optimized relief formulation.
- Excellent solid density due to brilliant ink transfer.
- Reliably and reusable for repeat orders.
- Also suitable for high run length pad printing jobs.

WIDE RANGE OF APPLICATIONS

- For high quality pad printing, can be also used with closed cup inking systems because of its durability.
- For security printing as intaglio master plate.
- For sheetfed gravure printing.

nyloprint®
ST

- Efficient, consistent and fast plate processing.
- Wide exposure latitude.
- Highly productive and cost effective due to plate processing within 40 - 50 min.

ALCOHOL WASHABLE
**GRAVURE
PLATE
FOR HIGHEST
PRINT
QUALITY**



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nyloprint® ST	
52	
Technical characteristics¹	
Base material	steel
Colour of raw plate	red
Total thickness (mm inch)	0.52 0.020"
Plate hardness (Shore D)	90
Relief depth (mm inch)	0.020 0.008"
Tonal range (%) at screen ruling of	5 - 95 150 L/cm (380 LPI)

Processing parameters¹	
Main exposure ² (min)	1.0 – 5.0
Washout time	2.0
Washout temperature	20°C / 68°F
Drying time at 80°C / 176°F (min)	20
Post exposure (min)	8 – 10

Processing Equipment

Suitable equipment	nyloprint® ST plate 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 commonly used pad printing inks (e.g. UV inks, solvent-based inks, 2K inks).
Washout medium	For the washout the solvent nyloprint® R241 np 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) 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. 2) Values are only to be used as a guide and need to be tested with a main exposure test. This is recommended for every new batch. Detailed information can be found in the nyloprint® User Guide.

Please contact us for additional information.
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