

XSYS

Print solid. Stay flexible.

nyloprint® S

**Alcohol washable gravure
plate for high print quality**

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Be
brilliant.

HIGHEST PRINT QUALITY

- Screen ruling up to 305 lpi (120 L/cm); S 43 and S 58 for letterpress up to 137 lpi (54 L/cm).
- Excellent solid density due to brilliant ink transfer.
- Reliable and reusable for repeat orders.
- High durability, suitable for high run lengths.

WIDE RANGE OF APPLICATIONS

- Photopolymer gravure plate for high quality pad printing, suitable for printing on promotional and industrial products.
- nyloprint® S 43 and S 58 also suitable for letterpress, form printing on continuous letterpress presses, label printing, metal sheet printing, sheetfed and rotary letterpress printing nyloprint® S 58 can also be used as a female die for blind embossing.

nyloprint®
S

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

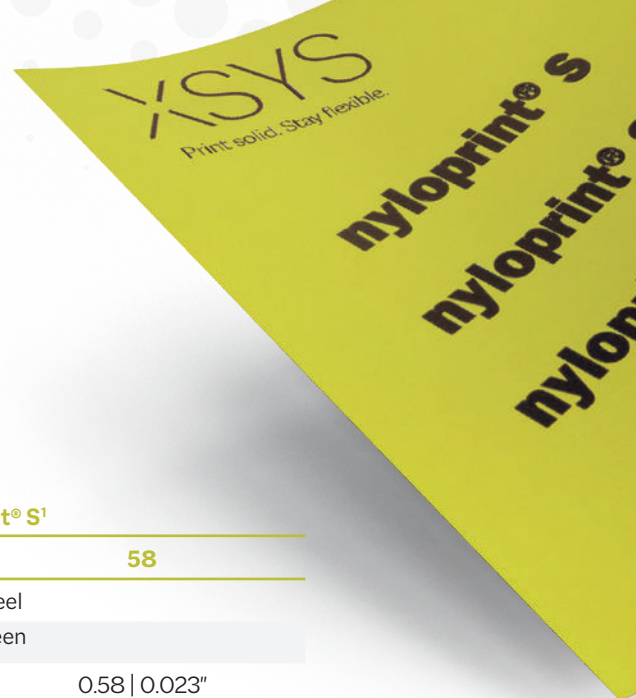
ALCOHOL WASHABLE
**GRAVURE
PLATE FOR
HIGH PRINT
QUALITY**



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Alcohol washable gravure plate for high print quality



Technical characteristics	nyloprint® S ¹	
	43	58
Base material	steel	
Colour of raw plate	green	
Total thickness ² (mm inch)	0.43 0.017"	0.58 0.023"
Plate hardness (Shore D)	90	86
Relief depth (mm inch)	0.20 0.008"	1.95 0.077"
Tonal range (%) for gravure printing at screen ruling of	5 - 95 120 l/cm (305 lpi)	
Tonal range (%) for letterpress at screen ruling of	2 - 95 54 l/cm (137 lpi)	2 - 95 54 l/cm (137 lpi)
Distortion factor (mm inch)	2.08 5.28"	2.90 7.37"

Processing parameters²

Main exposure (min) to be tested	1.0 - 5.0	
Washout time for pad printing	1 - 2	1 - 3
Washout time for letterpress	> 3	> 4
Washout temperature	20°C / 68°F	
Drying time at 80°C / 176°F (min)	15	
Post exposure (min)	2 - 3	

Processing Equipment

Suitable equipment	nyloprint® S plate can be processed with nyloprint® processing equipment and all similar devices.
Printing Inks	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 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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